

203070" 25420660

(1 of 90)

#4

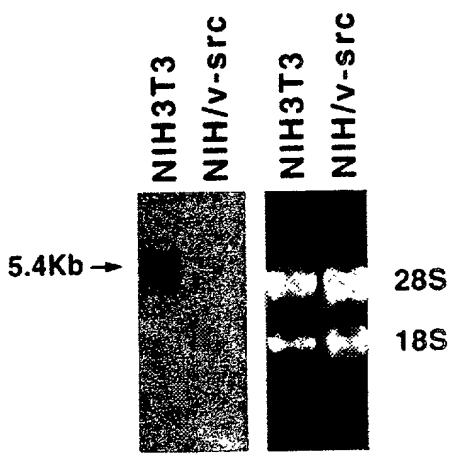


FIG.1

(2 of 90)

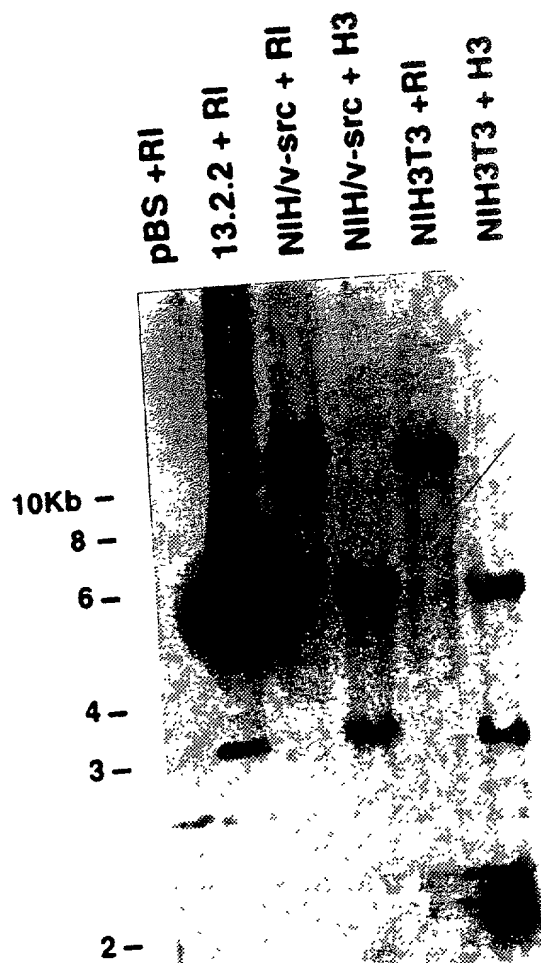


FIG.2A

(3 of 90)

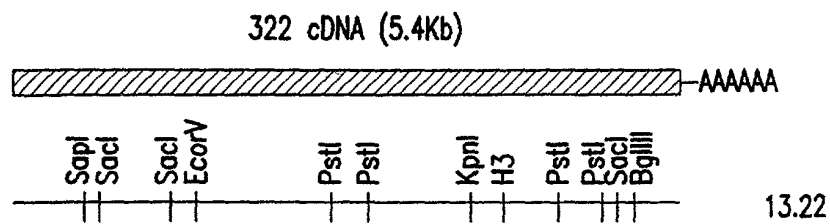


FIG.2B

(4 of 90)

	ggaaaagacagagccagcctcggaggagcaggagccggcagaagacacagaccaggccag	60
	gttgtcagcagactacgagaaggtggagctgcctttggaagaccaggttggtgacctgga	120
	ggcatcgtcagaggagaagtgtgctcctttggcaacggaagtgttgatgagaagatgga	180
	M E	2
181	agcccaccaagaagttgttcagaggtccacgtgagcaccgtggagaagacagaggagga	240
3	A H Q E V V A E V E V S T V E K T E E E	22
241	gcaggaggaggaggagaggtgaagggggcgtggtggtagaaggaacaggagaatcctt	300
23	Q G G G G E A E G G V V V E G T G E S L	42
301	gccccctgagaaactggctgagccccaggaggtccccaggaagctgagcctgctgagga	360
43	P P E K L A E P Q E V P Q E A E P A E E	62
361	gctgatgaagagcagagagatgtgtgtctctgaggagaccacactcaactgacagacct	420
63	L M K S R E M C V E G G D H T Q L T D L	82
421	aagtcctgaagagaagacgctgcccacacccagaaggcattgtcagtgaggtggagat	480
83	S P E E K T L P K H P E G I V S E V E M	102
481	gctgtcctctcaggaaagaatcaaggtacagggaagtccttgaagaaactcttcagtag	540
103	L S S Q E R I K V Q G S P L K K L F S S	122
541	ctcaggcttaaagaagctgtctgggaagaagcagaaggggaaacgaggaggtgggggaga	600
123	S G L K K L S G K K Q K G K R G G G G D	142
601	cgaagagcctggagaataccaacacattcacaccgaatccccagagagtgtgatgagca	660
143	E E P G E Y Q H I H T E S P E S A D E Q	162

FIG.3A

202043 202043 202043

(5 of 90)



2020-04-09 14:20:50

661	gaagggagagagctctgcgtcgccccgaggagcctgaggagaccagtgctctggagaa	720
163	K G E S S A S S P E E P E E T T C L E K	182
721	agggccgctggaagcaccagcatggggaagctgaggaggaactacttcgtggagagaa	780
183	G P L E A P R M G K L R K E L L R G E <u>K</u>	202
781	gaagaggaaggatcactccctgggcatccttcaaaaagatggtgacaccaagaacggt	840
203	<u>K R K</u> D H S L G I L Q K D G D T Q E T V	222
841	ccgaagaccttctgagagtgaacaggaggaagagctggagaaggtaagagcgccacctt	900
223	R R P S E S D K E E E L E K V K S A T L	242
901	gtcctccactgatagcacagtgtcagaaatgaagatgaagtcaaaactgttggtgagga	960
243	S S T D S T V S E M Q D E V K T V G E E	262
961	acaaaagccagaggaaccaaagcgtagggtggatacttcagtgtcttgggaagcactgat	1020
263	Q K P E E P K R R V D T S V S W E A L I	282
1021	ttgtgtcggatcatccaagaagagagcaaggaaggcatccttccagatataagaggcc	1080
283	C V G S S K <u>K R A R</u> K A S S S D I R G P	302
1081	aaggacactgggagggggacagtcacagagcagaggaggccagcaagacaaagaagccg	1140
303	R T L <u>G G G Q S Q S R G G</u> Q Q R Q R S R	322
1141	aacagacgctgttcctgccagcaccagcaggagcaggaccaagcgcaaggaagttcctcacc	1200
323	T D A V P A S T Q E Q D Q A Q G S S S P	342
1201	cgagccagcgggaagcccttccgaaggggaaggtgtctccacttgggagtcattttaaag	1260
343	E P A G S P S E G E G V S T W E S F K R	362

FIG.3B

(6 of 90)

1261	attagtcactccaagaaaaaatccaagtcaaaactggaagagaaagaagccggaaggac	1320
363	L V T P R <u>K K S K</u> S K L E E K E A G R T	382
1321	tctagttgtaggagcaggttggtccactgagatcgaaccgtgtagagaagaatcttgggtt	1380
383	L V V G A G C P L R S N R V E K N L G F	402
1381	tccattaagaaattcatccccggacggcggaagaaaagggcagatgggaaggcaagaaca	1440
403	P L R N S S P D G G R K G Q M G R Q E Q	422
1441	agccactgtggaagactcagggccagtggagataaatgaggacgagcctgatgtcccagc	1500
423	A T V E D S G P V E I N E D E P D V P A	442
1501	agtcgtgcctctgtctgagtatgatgcagtgagagggagaagatggaagcccaggggaa	1560
443	V V P L S E Y D A V E R E K M E A Q G N	462
1561	tgccgagctgccagctgctgggctgtgtagtgtccgaggagctcagtaagactctggt	1620
463	A E L P S C W G C V V S E E L S K T L V	482
1621	ccacactgtgagtgctgcagtcattgatgggaccagggcagtcaccagtgctgaagagcg	1680
483	H T V S V A V I D G T R A K T S K E E R	502
1681	gtctccttcgtggatatccgcttccgtaacagaacctcttgaacacacagcgggagaagc	1740
503	S P S W I S A S V T E P L E H T A G E A	522
1741	catgccacctgttgaagaggtcactgaaaaagacatcattgcagaagaaactcctgtgct	1800
523	M P P V E E V T E K D I I A E E T P V L	542
1801	caccagacgttaccagagggtaaagatgcccatgacgacatggtcaccagtgaagtgga	1860
543	T Q T L P E G K D A H D D M V T S E V D	562

FIG.3C

20201012120600

(7 of 90)



208070" 22420650

1861	tttcacctcagaagctgtgacagccacagagacctcagaggctctccgtactgaagaagt	1920
563	F T S E A V T A T E T S E A L R T E E V	582
1921	taccgaagcatcgggggccgaagagaccacagacatggtgtccgcagtttcccagctgac	1980
583	T E A S G A E E T T D M V S A V S Q L T	602
1981	tgactccccagacaccacagaggaagccacccagttcaggaggtagagggtggtgtgct	2040
603	D S P D T T E E A T P V Q E V E G G V L	622
2041	agatacagaagaagaggagcgccagagcgcaggccatcctccaagccgttgacacaaggt	2100
623	D T E E E E R Q T Q A I L Q A V A D K V	642
2101	gaaagaggagtcccaggtgcctgcaaccagactgtgcagagaacggggtcaaaagcact	2160
643	K E E S Q V P A T Q T V Q R T G S K A L	662
2161	ggagaaggttgaggaggtagaggaggactccgaagtgcctgcgagaaagagaagga	2220
663	E K V E E V E E D S E V L A S E K E K D	682
2221	cgttatgccgaaaggaccgtgcaggaagctggagctgagcatcttgacagggctctga	2280
683	V M P K G P V Q E A G A E H L A Q G S E	702
2281	gactggacaggctactccagagagccttgaagttcctgaagtcacagcagatgtagacca	2340
703	T G Q A T P E S L E V P E V T A D V D H	722
2341	tgtcgccacgtgccaggttatcaagctccagcagctgatggaacaggccgtggcccctga	2400
723	V A T C Q V I K L Q Q L M E Q A V A P E	742
2401	gtcatccgaaaccttgacagacagtgagacaaatggaagcactcccttagcagattcaga	2460
743	S S E T L T D S E T N G S T R L A D S D	762

FIG.3D

(8 of 90)

2461	cactgcagatgggacacagcaagatgaaaccattgacagccaggacagtaaagccactgc	2520
763	T A D G T Q Q D E T I D S Q D S K A T A	782
2521	agctgtcaggcagtcacaggtcacagaagaagaggcggtactgctcagaaagaggagcc	2580
783	A V E Q S Q V T E E E A A T A Q K E E P	802
2581	ttcgacactacctaataatgttccagcccaggaagaacatggggaagaaccaggaagaga	2640
803	S T L P N N V P A Q E E H G E E P G R D	822
2641	tggtcttgaacctacacagcaagagcttgctgctgcagccgtgccgtctggcaaaagac	2700
823	V L E P T Q Q E L A A A A V P V W Q K T	842
2701	tgaggtgggtcaagaggggtgaggttgactggttgatggagaaaaagtc aaagaagaaca	2760
843	E V G Q E G E V D W L D G E K V K E E Q	862
2761	ggaggtgtttgtacactctggacccaacagtc aaaggctgctgatgtgacatatgacag	2820
863	E V F V H S G P N S Q K A A D V T Y D S	882
2821	tgaagtgatgggagtgccgggtgtcagga aaaggagagtactgaagtgcagagtcttag	2880
883	E V M G V A G C Q E K E S T E V Q S L S	902
2882	cctggaggagggagagatggaaactgacgttgaaaggagaaaggagacaaagccaga	2940
903	L E E G E M E T D V E K E K R E T K P E	922
2941	gcaagtgagtgaagaaggtgagcagga aaacagccgctcctgagcatgaaaggaaactacgg	3000
923	Q V S E E G E Q E T A A P E H E R N Y G	942
3001	gaagccagtcctgacacttgacatgccagctcagagagggggaaggcactgggaagcct	3060
943	K P V L T L D M P S S E R G K A L G S L	962

FIG.3E

209070" 225420660

(9 of 90)

3061	tggaggaagcccttctctcccagaccaagacaaagcaggttgcataagaggttcaagttca	3120
963	G G S P S L P D Q D K A G C I E V Q V Q	982
3121	aagcctggacacaacagtcactcaaacagcagaagctgtggaaaaggtcatagaaacggt	3180
983	S L D T T V T Q T A E A V E K V I E T V	1002
3181	tgtgatttcagagacaggtgaaagtccagagtgtgtaggtgcacacttattaccagctga	3240
1003	V I S E T G E S P E C V G A H L L P A E	1002
	→Zn-finger→	
3241	gaagtcctctgcaacgggtggccactggactcttcagcatgcagaggacacggtaccct	3300
1023	K S S A T G G H W T L Q H A E D T V P L	1042
3301	ggggcctgagtcctcaggcagaatccatcccaatcatagtaactcctgctcctgaaagcac	3360
1043	G P E S Q A E S I P I I V T P A P E S T	1062
3361	cctacatcctgacctaaggagaaataagcgcaccccagagagagcgatcagaggaaga	3420
1063	L H P D L Q G E I S A S Q R E R S E E E	1082
3421	ggacaagccagatgctggtcctgatgctgacggcaaggagagtacagcaatcgacaaagt	3480
1083	D K P D A G P D A D G K E S T A I D K V	1102
3481	cctcaaggctgaacctgagatcctggaacttgagagtaagagcaacaagattgtgctgaa	3540
1103	L K A E P E I L E L E S K S N K I V L N	1122
3541	cgctattcagacagccgttgaccagttcgacgtacagaaacagccccgaaactcatgc	3600
1123	V I Q T A V D Q F A R T E T A P E T H A	1142
3601	ttatgattcacagaccaggttctcgaatgcgcttgacagcagggagcccaacagatg	3660
1143	Y D S Q T Q V P A M R L D S R E P N R C	1162

FIG.3F

208040" 2E+20660

(10 of 90)

3661	ctggacaaaaatgaaagttgccaagatgaaacacccagtgccgcagcccagagaggactt	3720
1163	W T K M K V A K M K H P V P Q P R E D L	1182
3721	gcaagtcctgaccgttctggaggcatggctcagctcggaaatgcttgccgcgcttgca	3780
1183	Q V L T V L E A W L S S E M L A A L A V	1202
3781	tgaaagcgccggtgtcaaagtaagcattgagaagctgcctcctcaacccaaagatcaaaa	3840
1203	E S A G V K V S I E K L P P Q P K D Q K	1222
3841	ggagcatgctgctgatggccctcagctccaaagcttagcccaggcagaggcagtgctg	3900
1223	E H A A D G P Q L Q S L A Q A E A V S G	1242
3901	aaacctaaccaaagaatccccagacaccaacggaccaaagctaaccgaggagcgatgccc	3960
1243	N L T K E S P D T N G P K L T E E R C P	1262
3961	ccaaaagttgaggtccaggaagaagaatgtctaccaagtcagtcaaagagaacaaggcc	4020
1263	Q K L R S R K K K C L P S Q S K R T R P	1282
4021	caggcagaagaggacctgcaggagccaaaggagacctggcagaatcctaagatgttagt	4080
1283	R Q K R T C R S Q R E T W Q N P K M L V	1302
4081	tgctcattgtacatctgtaagaccagaatgtgaaaacaagtcacagaacaagatgctgct	4140
1303	A H C T S V R P E C E N K S Q N K M L L	1322
4141	gttgggaccttggaaccaagatttcagagcccatgagatccagagagcagggccgtccaat	4200
1323	L G P W T K I S E P M R S R E Q G R P M	1342
4201	gatttccacccagtagagcaccgacaattctgaggcttcacgaggagctagagccagc	4260
1343	I S T Q *	1346

FIG.3G

205040" 24720660

(11 of 90)

4261	taacatttcctcgtttcaagactgcctttgattgccccttgatgccgtccgtgtatttc	4320
4321	ggatttaaggctcctgcgttctcaacctggaaccaattctgccatacctagttccacttct	4380
4381	caaactggagcatcctcctttatgtatttatatgtatgtttatgtagtcctcctcctgt	4440
4441	acctattgtatatttttttctaacgtttaagcacatgctttttgtattatgaatatata	4500
4501	acgggtgtgcagccatagcgacgctttgaaaagctccaagcctcaactgtaacctgcagc	4560
4561	aaacagataacattcctggcaagaagagacaagtcttttttaaagtttactgatgcttag	4620
4621	atctgtgggcttctagtccctctgaaagtgggtgttttcctatgcacagcgagctcagaaa	4680
4681	<u>taaa</u> aaccccatTTTgaaacatccaggatgtcccaatattaccatgattttttccccct	4720
4721	tttgctaattccagtcagggttggaagaagtctcctctgtgtcagattaagccctgtct	4780
4781	cttaatgatattggacaaatgagtggtgcctaaggccatgagatgttcctaatagcagaagg	4840
4741	aatctgttgtagcttttttgattgtactcttctatgctggaccgaattcatatgcagat	4900
4901	cgaagtgagtcctgttctttacagatggatTTTgatagatactggagtttgtctgtgtt	4960
4961	atatctgtgcccttctttaaagaacaatgttgacattatgttcctttggataaattgtgat	5020
5021	ttgacaactgattttaataaacatatttgactac(A).	

FIG.3H

20250707 22:42:06.00

203040" 2E420660

(12 of 90)

12 of 90 /

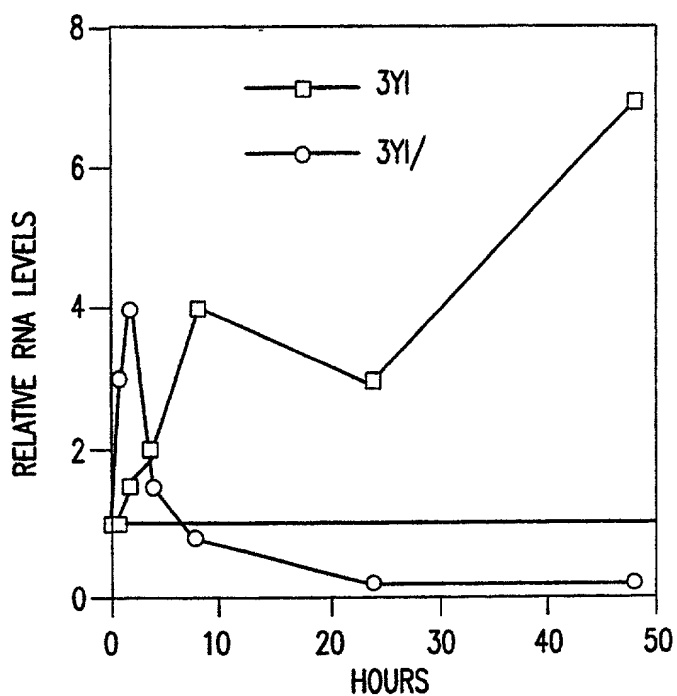


FIG.4A

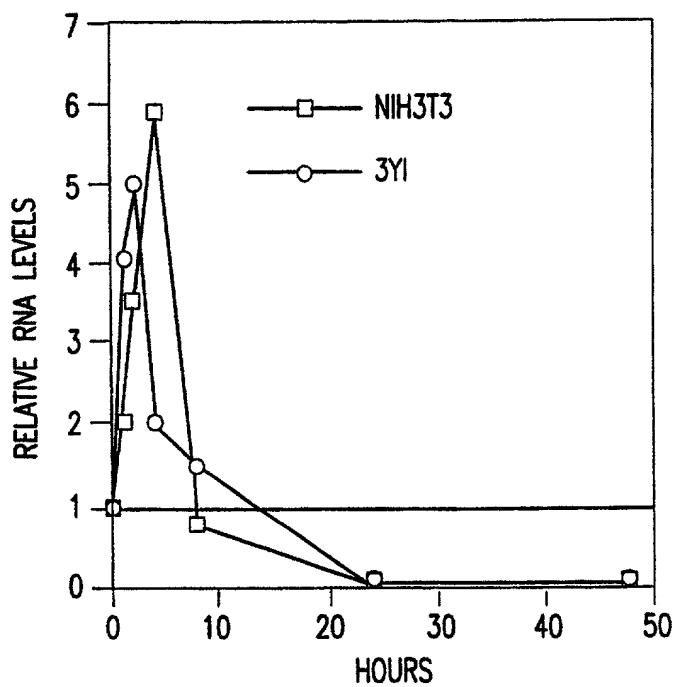


FIG.4B

202070" 2E+20660

(13 of 90)

rat-6/mos
rat-6/src
rat-6/myc
rat-6/neu
rat-6/ras
rat-6/raf-1
rat-6

FIG.5

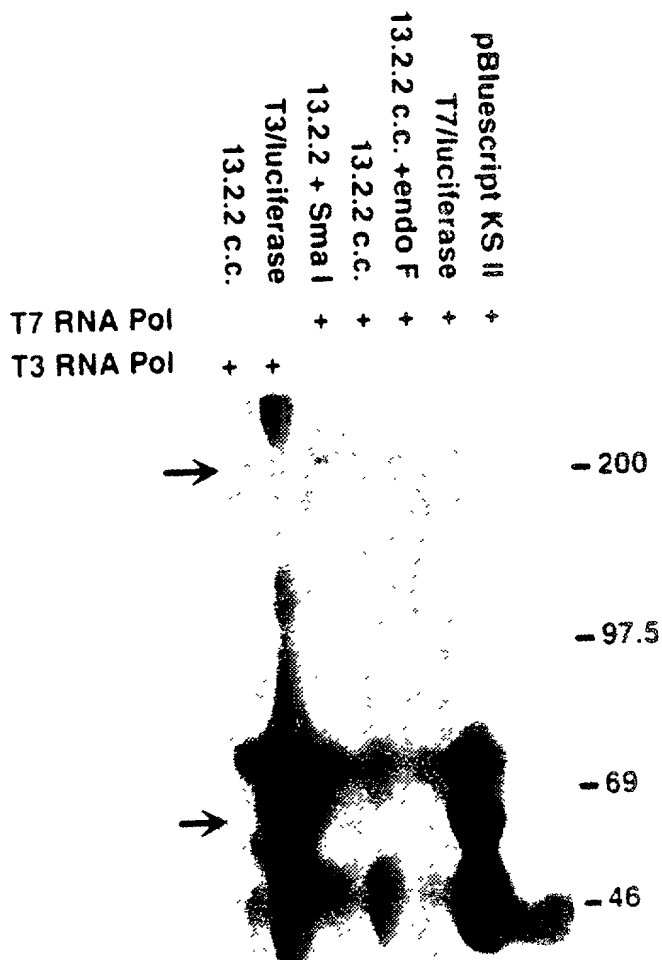


FIG.6

(15 of 90)

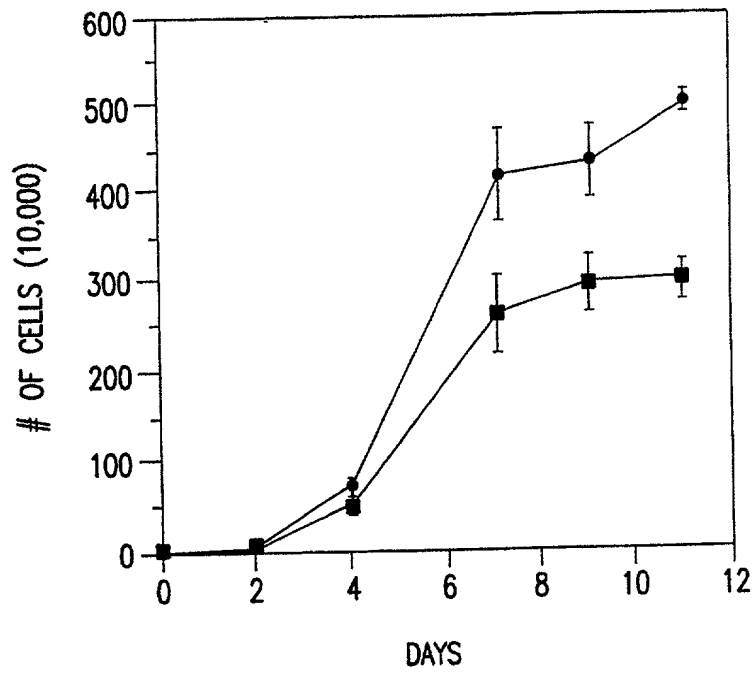


FIG.7A

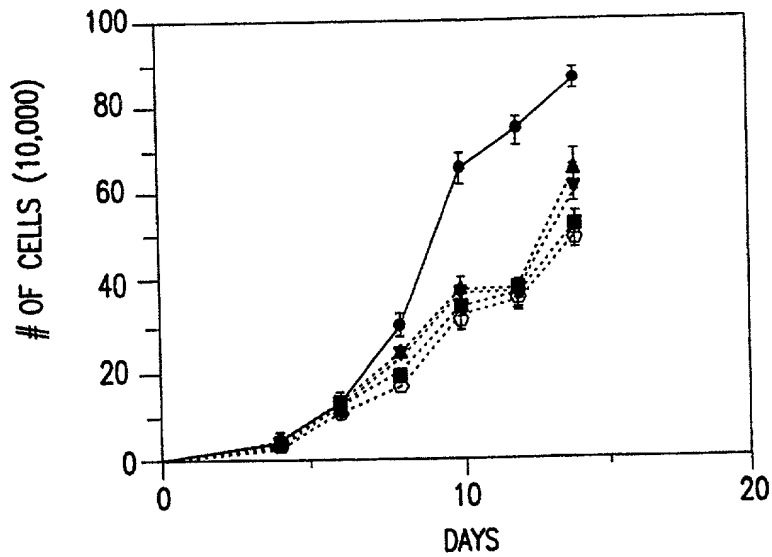


FIG.7B

20230410 21:20:50

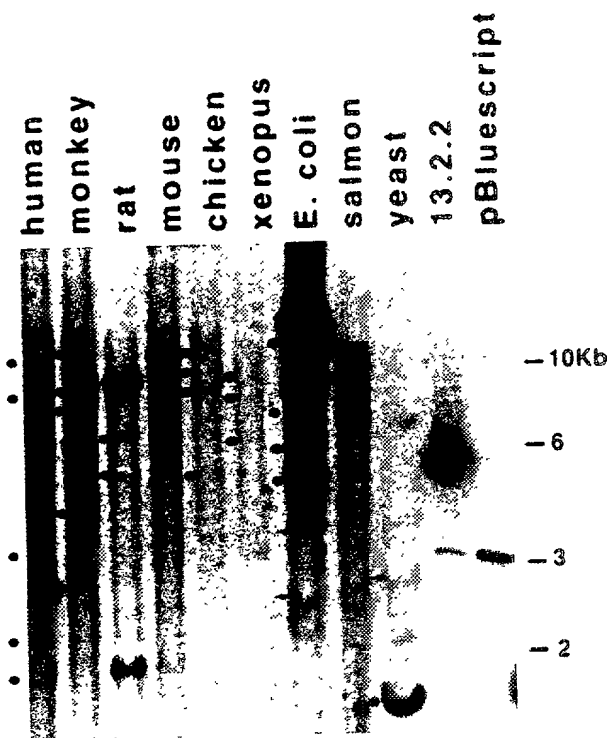


FIG.8

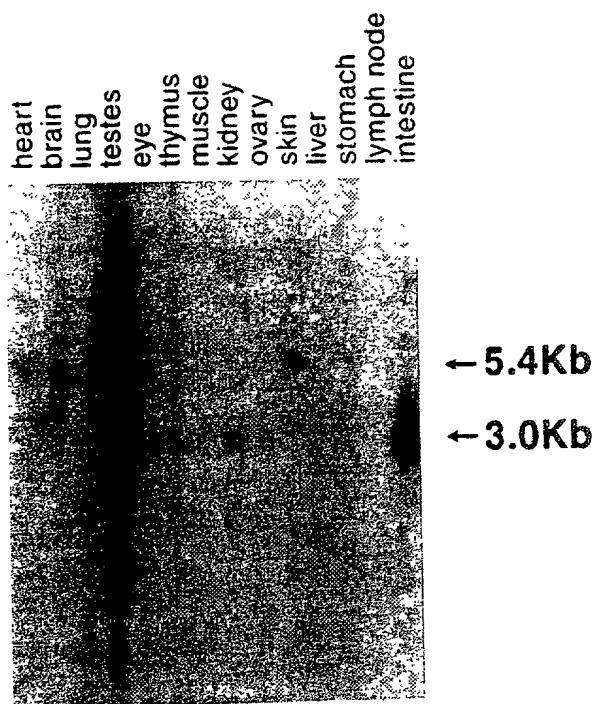
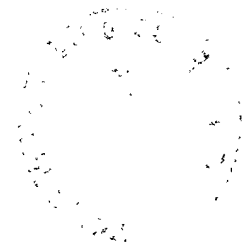


FIG.9

(19 of 90)

5' ATG GGC GCA GGC AGT TCC ACC GAG CAG CGG AGC CCC GAG CAG CCG GCG GGG AGC

M G A G S S T E Q R S P E Q P A G S

GAC ACG CCG AGC GAG CTG GTG CTC AGT GGC CAT GGG CCC GCA GCT GAA GCC TCG

D T P S E L V L S G H G P A A E A S

GGA GCA GCT GGA GAC CCC GCC GAC GCG GAC CCC GCC ACC AAG CTC CCA CAG AAG

G A A G D P A D A D P A T K L P Q K

AAT GGC CAG CTG TCT TCT GTC AAC GGC GTA GCT GAA CAA GGA GAT GTC CAT GTC

N G Q L S S V N G V A E Q G D V H V

CAA GAG GAA AAC CAG GAG GGG CAG GAG GAA GAA GTC GTT GAT GAG GAT GTT GGA

Q E E N Q E G Q E E E V V D E D V G

CAG CGA GAG TCA GAA GAT GTG AGA GAA AAA GAC CGA GTT GAA GAA ATG GCG GCC

Q R E S E D V R E K D R V E E M A A

AAC TCC ACA GCT GTT GAA GAT ATC ACA AAG GAT GGG CAG GAG GAG ACA TCA GAA

N S T A V E D I T K D G Q E E T S E

ATA ATT GAA CAG ATC CCT GCT TCA GAA AAC AAT GTG GAA GAA ATG GTA CAG CCT

I I E Q I P A S E N N V E E M V Q P

FIG.11A

202010 22420550

(20 of 90)

441	450	459	468	477	486
GCT GAG TCC CAG GCT AAT GAT GTT GGC TTC AAG AAA GTA TTT AAA TTT GTT GGT					
A E S Q A N D V G F K K V F K F V G					
495	504	513	522	531	540
TTT AAA TTC ACG GTG AAG AAG GAT AAA AAT GAA AAG TCA GAT ACT GTC CAA CTA					
F K F T V K K D K N E K S D T V Q L					
549	558	567	576	585	594
CTC ACT GTC AAG AAG GAT GAA GGC GAA GGG GCA GAA GCC TCT GTC GGA GCT GGA					
L T V K K D E G E G A E A S V G A G					
603	612	621	630	639	648
GAC CAC CAG GAG CCC AGT GTG GAG ACT GCC GTC GGA GAG TCA GCA TCC AAA GAA					
D H Q E P S V E T A V G E S A S K E					
657	666	675	684	693	702
AGT GAG CTG AAG CAA TCC ACA GAG AAG CAA GAA GGC ACC CTG AAG CAA GAA CAG					
S E L K Q S T E K Q E G T L K Q E Q					
711	720	729	738	747	756
AGC AGC ACA GAA ATC CCC CTT CAA GCC GAA TCT GAT CAA GCG GCT GAG GAA GAA					
S S T E I P L Q A E S D Q A A E E E					
765	774	783	792	801	810
GCC AAA GAT GAA GGA GAA GAA AAA CAA GAG AAA GAG CCC ACC AAG TCC CCA GAA					
A K D E G E E K Q E K E P T K S P E					
819	828	837	846	855	864
TCC CCG AGC AGC CCA GTC AAC AGT GAG ACA ACA TCT TCC TTC AAG AAG TTC TTC					
S P S S P V N S E T T S S F K K F F					

FIG.11B

(21 of 90)

873	882	891	900	909	918
ACT CAC GGT TGG GCC GGC TGG CGC AAG AAG ACC AGC TTC AAG AAA TCA AAA GAG					
T H G W A G W R K K T S F K K S K E					
927	936	945	954	963	972
GAT GAT CTG GAA ACT GCC GAG AAG AGA AAG GAG CAA GAG GCA GAA AAA GTA GAC					
D D L E T A E K R K E Q E A E K V D					
981	990	999	1008	1017	1026
GAG GAA GAA AAG GAA AAG ACA GAG CCA GCC TCG GAG GAG CAG GAG CCG GCA GAA					
E E E K E K T E P A S E E Q E P A E					
1035	1044	1053	1062	1071	1080
GAC ACA GAC CAG GCC AGG TTG TCA GCA GAC TAC GAG AAG GTG GAG CTG CCT TTG					
D T D Q A R L S A D Y E K V E L P L					
1089	1098	1107	1116	1125	1134
GAA GAC CAG GTT GGT GAC CTG GAG GCA TCG TCA GAG GAG AAG TGT GCT CCT TTG					
E D Q V G D L E A S S E E K C A P L					
1143	1152	1161	1170	1179	1188
GCA ACG GAA GTG TTT GAT GAG AAG ATG GAA GCC CAC CAA GAA GTT GTT GCA GAG					
A T E V F D E K M E A H Q E V V A E					
1197	1206	1215	1224	1233	1242
GTC CAC GTG AGC ACC GTG GAG AAG ACA GAG GAG GAG CAG GGA GGA GGA GGA GAG					
V H V S T V E K T E E E Q G G G G E					
1251	1260	1269	1278	1287	1296
GCT GAA GGG GGC GTG GTG GTA GAA GGA ACA GGA GAA TCC TTG CCC CCT GAG AAA					
A E G G V V V E G T G E S L P P E K					

FIG.11C

202010" 2E420660

(22 of 90)

1305	1314	1323	1332	1341	1350
CTG GCT GAG CCC CAG GAG GTC CCC CAG GAA GCT GAG CCT GCT GAG GAG CTG ATG					
L A E P Q E V P Q E A E P A E E L M					
1359	1368	1377	1386	1395	1404
AAG AGC AGA GAG ATG TGT GTC TCT GGA GGA GAC CAC ACT CAA CTG ACA GAC CTA					
K S R E M C V S G G D H T Q L T D L					
1413	1422	1431	1440	1449	1458
AGT CCT GAA GAG AAG ACG CTG CCC AAA CAC CCA GAA GGC ATT GTC AGT GAG GTG					
S P E E K T L P K H P E G I V S E V					
1467	1476	1485	1494	1503	1512
GAG ATG CTG TCC TCT CAG GAA AGA ATC AAG GTA CAG GGA AGT CCC TTG AAG AAA					
E M L S S Q E R I K V Q G S P L K K					
1521	1530	1539	1548	1557	1566
CTC TTC AGT AGC TCA GGC TTA AAG AAG CTG TCT GGG AAG AAG CAG AAG GGG AAA					
L F S S S G L K K L S G K K Q K G K					
1575	1584	1593	1602	1611	1620
CGA GGA GGT GGG GGA GAC GAA GAG CCT GGA GAA TAC CAA CAC ATT CAC ACC GAA					
R G G G G D E E P G E Y Q H I H T E					
1629	1638	1647	1656	1665	1674
TCC CCA GAG AGT GCT GAT GAG CAG AAG GGA GAG AGC TCT GCG TCG TCC CCC GAG					
S P E S A D E Q K G E S S A S S P E					
1683	1692	1701	1710	1719	1728
GAG CCT GAG GAG ACC ACG TGT CTG GAG AAA GGG CCG CTG GAA GCA CCC CAG GAT					
E P E E T T C L E K G P L E A P Q D					

FIG.11D

200040" 200040" 200040"

(23 of 90)

1737	1746	1755	1764	1773	1782
GGG GAA GCT GAG	GAA GGA ACT ACT	TCC GAT GGA GAG	AAG AAG AGA GAA	GGG ATC	
G E A E E G	T T S D G E	K K R E	G I		
1791	1800	1809	1818	1827	1836
ACT CCC TGG GCA	TCC TTC AAA AAG	ATG GTG ACA CCC	AAG AAA CGG	GTC CGA	AGA
T P W A S F	K K M V T P	K K R V	R R		
1845	1854	1863	1872	1881	1890
CCT TCT GAG AGT	GAC AAG GAG GAA	GAG CTG GAG AAG	GTC AAG AGC	GCC ACC	TTG
P S F S D K	E E E L E K	V K S A	T L		
1899	1908	1917	1926	1935	1944
TCC TCC ACT GAT	AGC ACA GTG TCA	GAA ATG CAA GAT	GAA GTC AAA ACT	GTT GGT	
S S T D S T V	S E M Q D E	V K T V	G		
1953	1962	1971	1980	1589	1998
GAG GAA CAA AAG	CCA GAG GAA CCA	AAG CGT AGG GTG	GAT ACT TCA GTG	TCT TGG	
E E Q K P E	E P K R R V	D T S V	S W		
2007	2016	2025	2034	2043	2052
GAA GCA CTG ATT	TGT GTC GGA TCA	TCC AAG AAG AGA	GCA AGG AAG GCA	TCC TCT	
E A L I C V	G S S K K R	A R K A	S S		
2061	2070	2079	2088	2097	2106
TCA GAT GAT GAA	GGA GGG CCA AGG	ACA CTG GGA GGG	GAC AGT CAC AGA	GCA GAG	
S D D E G G	P R T L G G	D S H R	A E		
2115	2124	2133	2142	2151	2160
GAG GCC AGC AAA	GAC AAA GAA GCC	GGA ACA GAC GCT	GTT CCT GCC AGC	ACC CAG	
E A S K D K	E A G T D A	V P A S	T Q		

FIG.11E

208040" 22420660

(24 of 90)

2169	2178	2187	2196	2205	2114
GAG CAG GAC CAA GCG CAA GGA AGT TCC TCA CCC GAG CCA GCG GGA AGC CTT TCC					
E Q D Q A Q G S S S P E P A G S P S					
2223	2232	2241	2250	2259	2268
GAA GGG GAA GGT GTC TCC ACT TGG GAG TCA TTT AAA AGA TTA GTC ACT CCA AGA					
E G E G V S T W E S F K R L V T P R					
2277	2286	2295	2304	2313	2322
AAA AAA TCC AAG TCA AAA CTG GAA GAG AAA GCC GAA GAC TCT AGT GTA GAG CAG					
K K S K S K L E E K A E D S S V E Q					
2331	2340	2349	2358	2367	2376
TTG TCC ACT GAG ATC GAA CCG AGT AGA GAA GAA TCT TGG GTT TCC ATT AAG AAA					
L S T E I E P S R E E S W V S I K K					
2385	2394	2403	2412	2421	2430
TTC ATC CCC GGA CGG CGG AAG AAA AGG GCA GAC GGG AAG CAA GAA CAA GCC ACT					
F I P G R R K K R A D G K Q E Q A T					
2439	2448	2457	2466	2475	2484
GTG GAA GAC TCA GGG CCA GTG GAG ATA AAT GAG GAC GAC CCT AAT GTC CCA GCC					
V E D S G P V E I N E D D P N V P A					
2493	2502	2511	2520	2529	2538
GTC GTG CCT CTG TCT GAG TAT AAT GCA GTG GAG AGG GAG AAG ATG GAA GCC CAG					
V V P L S E Y N A V E R E K M E A Q					
2547	2556	2565	2574	2583	2592
GGG AAT ACG GAG CTG CCC CAG CTG CTG GGG GCT GTG TAC GTG TCC GAG GAG CTC					
G N T E L P Q L L G A V Y V S E E L					

FIG.11F

208040"23420660

(25 of 90)

2601	2610	2619	2628	2637	2646
AGT AAG ACT CTG GTC CAC	ACT GTG AGT GTC GCA GTC	ATT GAT GGG ACC	AGG GCA		
-----	-----	-----	-----	-----	-----
S K T L V H T V S V A V I D G T R A					
2655	2664	2673	2682	2691	2700
GTC ACC AGT GTC GAA GAG	CGG TCT CCT TCG TGG	ATA TCC GCT TCC	GTA ACA GAA		
-----	-----	-----	-----	-----	-----
V T S V E E R S P S W I S A S V T E					
2790	2718	2727	2736	2745	2754
CCT CTT GAA CAC ACA GCG	GGA GAA GCC	ATG CCA CCT GTT	GAA GAG GTC	ACT GAA	
-----	-----	-----	-----	-----	-----
P L E H T A G E A M P P V E E V T E					
2763	2772	2781	2790	2799	2808
AAA GAC ATC ATT GCA GAA	GAA ACT CCT GTG CTC	ACC CAG ACG TTA	CCA GAG GGT		
-----	-----	-----	-----	-----	-----
K D I I A E E T P V L T Q T L P E G					
2817	2826	2835	2844	2853	2862
AAA GAT GCC CAT GAC GAC	ATG GTC ACC AGT GAA	GTG GAT TTC ACC	TCA GAA GCT		
-----	-----	-----	-----	-----	-----
K D A H D D M V T S E V D F T S E A					
2871	2880	2889	2898	2907	2916
GTG ACA GCC ACA GAG ACC	TCA GAG GCT CTC CGT	ACT GAA GAA GTT	ACC GAA GCA		
-----	-----	-----	-----	-----	-----
V T A T E T S E A L R T E E V T E A					
2925	2934	2943	2952	2961	2970
TCG GGG GCC GAA GAG ACC	ACA GAC ATG GTG TCC	GCA GTT TCC CAG	CTG ACT GAC		
-----	-----	-----	-----	-----	-----
S G A E E T T D M V S A V S Q L T D					
2979	2988	2997	3006	3015	3024
TCC CCA GAC ACC ACA GAG	GAA GCC ACC CCA GTT	CAG GAG GTA GAG	AGT GGT GTG		
-----	-----	-----	-----	-----	-----
S P D T T E E A T P V Q E V E S G V					

FIG.11G

(26 of 90)

3033	3042	3051	3060	3069	3078
CTA GAT ACA GAA	GAA GAG GAG	CGC CAG ACG	CAG GCC ATC	CTC CAA GCC	GTT GCA

L	D	T	E	E	E
E	E	R	Q	T	Q
A	I	L	Q	A	V
A					
3087	3096	3105	3114	3123	3132
GAC AAG GTG AAA	GAG GAG TCC	CAG GTG CCT	GCA ACC CAG	ACT GTG CAG	AGA ACG

D	K	V	K	E	E
S	Q	V	P	A	T
Q	T	V	Q	R	T
3141	3150	3159	3168	3177	3186
GGG TCA AAA GCA	CTG GAG AAG	GTT GAG GAG	GTA GAG GAG	GAC TCC GAA	GTG CTG

G	S	K	A	L	E
K	V	E	E	V	E
E	E	D	S	E	V
L					
3195	3204	3213	3222	3231	3240
GCT TCG GAG AAA	GAG AAG GAC	GTT ATG CCG	AAA GGA CCC	GTG CAG GAA	GCT GGA

A	S	E	K	E	K
D	V	M	P	K	G
P	V	Q	E	A	G
3195	3258	3267	3276	3285	3294
GCT GAG CAT CTT	GCA CAG GGC	TCT GAG ACT	GGA CAG GCT	ACT CCA GAG	AGC CTT

A	E	H	L	A	Q
G	S	E	T	G	Q
A	T	P	E	S	L
3303	3312	3321	3330	3339	3348
GAA GTT CCT GAA	GTC ACG GCA	GAT GTA GAC	CAT GTC GCC	ACG TGC CAG	GTT ATC

E	V	P	E	V	T
A	D	V	D	H	V
A	T	C	Q	V	I
3357	3366	3375	3384	3393	3402
AAG CTC CAG CAG	CTG ATG GAA	CAG GCC GTG	GCC CCT GAG	TCA TCC GAA	ACC TTG

K	L	Q	Q	L	M
E	Q	A	V	A	P
E	S	S	E	T	L
3411	3420	3429	3438	3447	3456
ACA GAC AGT GAG	ACA AAT GGA	AGC ACT CCC	TTA GCA GAT	TCA GAC ACT	GCA GAT

T	D	S	E	T	N
G	S	T	P	L	A
D	S	D	T	A	D

FIG.11H

208919" 22120660

(27 of 90)

3465 3474 3483 3492 3501 3510
GGG ACA CAG CAA GAT GAA ACC ATT GAC AGC CAG GAC AGT AAA GCC ACT GCA GCT

G T Q Q D E T I D S Q D S K A T A A

3519 3528 3537 3546 3555 3564
GTC AGG CAG TCA CAG GTC ACA GAA GAA GAG GCG GCT ACT GCT CAG AAA GAG GAG

V R Q S Q V T E E E A A T A Q K E E

3573 3582 3591 3600 3609 3618
CCT TCG ACA CTA CCT AAT AAT GTT CCA GCC CAG GAA GAA CAT GGG GAA GAA CCA

P S T L P N N V P A Q E E H G E E P

3627 3636 3645 3654 3663 3672
GGA AGA GAT GTT CTT GAA CCT ACA CAG CAA GAG CTT ACT GCT GCA GCC GTG CCC

G R D V L E P T Q Q E L T A A A V P

3681 3690 3699 3708 3717 3726
GTT CTG GCA AAG ACT GAG GTG GGT CAA GAG GGT GAG GTT GAC TGG TTG GAT GGA

V L A K T E V G Q E G E V D W L D G

3735 3744 3753 3762 3771 3780
GAA AAA GTC AAA GAA GAA CAG GAG GTG TTT GTA CAC TCT GGA CCC AAC AGT CAA

E K V K E E Q E V F V H S G P N S Q

3789 3798 3807 3816 3825 3834
AAG GCT GCT GAT GTG ACA TAT GAC AGT GAA GTG ATG GGA GTG GCC GGG TGT CAG

K A A D V T Y D S E V M G V A G C Q

3843 3852 3861 3870 3879 3888
GAA AAG GAG AGT ACT GAA GTG CAG AGT CTT AGC CTG GAG GAG GGA GAG ATG GAA

E K E S T E V Q S L S L E E G E M E

FIG.11I

20250403 14:43:00

(28 of 90)

3897 3906 3915 3924 3933 3942
ACT GAC GTT GAA AAG GAG AAA AGG GAG ACA AAG CCA GAG CAA GTG AGT GAA GAA

T D V E K E K R E T K P E Q V S E E

3951 3960 3969 3978 3987 3996
GGT GAG CAG GAA ACA GCC GCT CCT GAG CAT GAA GGA ACC TAC GGG AAG CCA GTC

G E Q E T A A P E H E G T Y G K P V

4005 4014 4023 4032 4041 4050
CTG ACA CTT GAC ATG CCC AGC TCA GAG AGG GGG AAG GCA CTG GGA AGC CTT GGA

L T L D M P S S E R G K A L G S L G

4059 4068 4077 4086 4095 4104
GGA AGC CCT TCT CTC CCA GAC CAA GAC AAA GCA GGT TGC ATA GAG GTT CAA GTT

G S P S L P D Q D K A G C I E V Q V

4113 4122 4131 4140 4149 4158
CAA AGC CTG GAC ACA ACA GTC ACT CAA ACA GCA GAA GCT GTG GAA AAG GTC ATA

Q S L D T T V T Q T A E A V E K V I

4167 4176 4185 4194 4203 4212
GAA ACG GTT GTG ATT TCA GAG ACA GGT GAA AGT CCA GAG TGT GTA GGT GAC CAC

E T V V I S E T G E S P E C V G A H

4221 4230 4239 4248 4257 4266
TTA TTA CCA GCT GAG AAG TCC TCT GCA ACG GGT GGC CAC TGG ACT CTT CAG CAT

L L P A E K S S A T G G H W T L Q H

4275 4284 4293 4902 4311 4320
GCA GAG GAC ACG GTA CCC CTG GGG CCT GAG TCT CAG GCA GAA TCC ATC CCA ATC

A E D T V P L G P E S Q A E S I P I

FIG.11J

209040 2E120660

(29 of 90)

4329 4338 4347 4356 4365 4374
ATA GTA ACT CCT GCT CCT GAA AGC ACC CTA CAT CCT GAC CTA CAA GGA GAA ATA

I V T P A P E S T L H P D L Q G E I

4383 4392 4401 4410 4419 4428
AGC GCA TCC CAG AGA GAG CGA TCA GAG GAA GAG GAC AAG CCA GAT GCT GGT CCT

S A S Q R E R S E E E D K P D A G P

4437 4446 4455 4464 4473 4482
GAT GCT GAC GGC AAG GAG AGT ACA GCA ATC GAA AAA GTC CTC AAG GCT GAA CCT

D A D G K E S T A I E K V L K A E P

4491 4500 4509 4518 4527 4536
GAG ATC CTG GAA CTT GAG AGT AAG AGC AAC AAG ATT GTG CTG AAC GTC ATT CAG

E I L E L E S K S N K I V L N V I Q

4545 4554 4563 4572 4581 4590
ACA GCC GTT GAC CAG TTC GCA CGT ACA GAA ACA GCC CCC GAA ACT CAT GCT TAT

T A V D Q F A R T E T A P E T H A Y

4599 4608 4617 4626 4635 4644
GAT TCA CAG ACC CAG GTT CCT GCA TGC AGG CTT GAC AGC AGG GAG CCC AAC AGA

D S Q T Q V P A C R L D S R E P N R

4653 4662 4671 4680 4689 4698
TGC TGG ACA AAA ATG AAA GAT GCC AAG ATG AAA CAC CCA GTG CCG CAG CCC AGA

C W T K M K D A K M K H P V P Q P R

4707 4716 4725 4734 4743 4752
GAG GAC TTG CAA GTC CTG ACC GTT CTG GAG GCA TGG GCT CAG CCT CGG AAA TGC

E D L Q V L T V L E A W A Q P R K C

FIG.11K

20250401 22:42:06

(30 of 90)

4761	4770	4779	4788	4797	4806
TTG CCG CGC	TTG CAG TTG	AAA GCG CCG	GTG TCA AAG	TAA GCA TTG	AGA AGC TGC

L	P	R	L	Q	L
K	A	P	V	S	K
*					

4815	4824	4833	4842	4851	4860
CTC CTC AAC	CCA AAG ATC	CAA AAG GAG	CAT GCT GCT	GAT GGC CCT	CAG CTC CAA

4869	4878	4887	4896	4905	4914
AGC TTA GCC	CAG GCA GAG	GCC AGT GCC	TCT GGA AAC	CTA ACC AAA	GAA TCC CCA

4923	4932	4941	4950	4959	4968
GAC ACC ACC	GGA CCA AAG	CTA ACC GAG	GAG GGC GAT	CCC CCA AAA	GTT CAG GTC

4977	4986	4995	5004	5013	5022
CAG GAA GAA	GAA ATG TCT	ACC AAG TCA	GTC AAA GAG	AAC AAG GCC	CAG GCA GAA

5031	5040	5049	5058	5067	5076
GAG GAC CTG	CAG GAG CCA	AAG GGA GAC	CTG GCA GAA	TCC TCC GAT	GTT AGT TGC

5085	5094	5103	5112	5121	5130
TCA TTG TAC	ATC TGT AAG	ACC AGA ATG	TGA AAA CAA	GTC ACA GAA	CAA GAT GCT

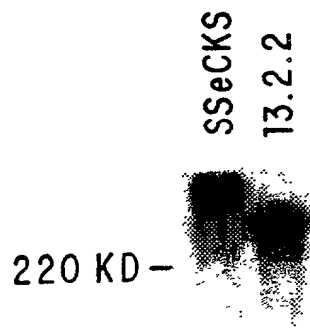
5139	5148	5157	5166	5175	5184
GCT GTT GGG	ACC TTG AGA	CCA AGA TTT	CAG AGC CCA	TGA CAT CCA	GAG AGC AGG

5193					
GCC GTC CAA	TGA TTT	C 3'			

FIG.11L

20201010 22:42:06

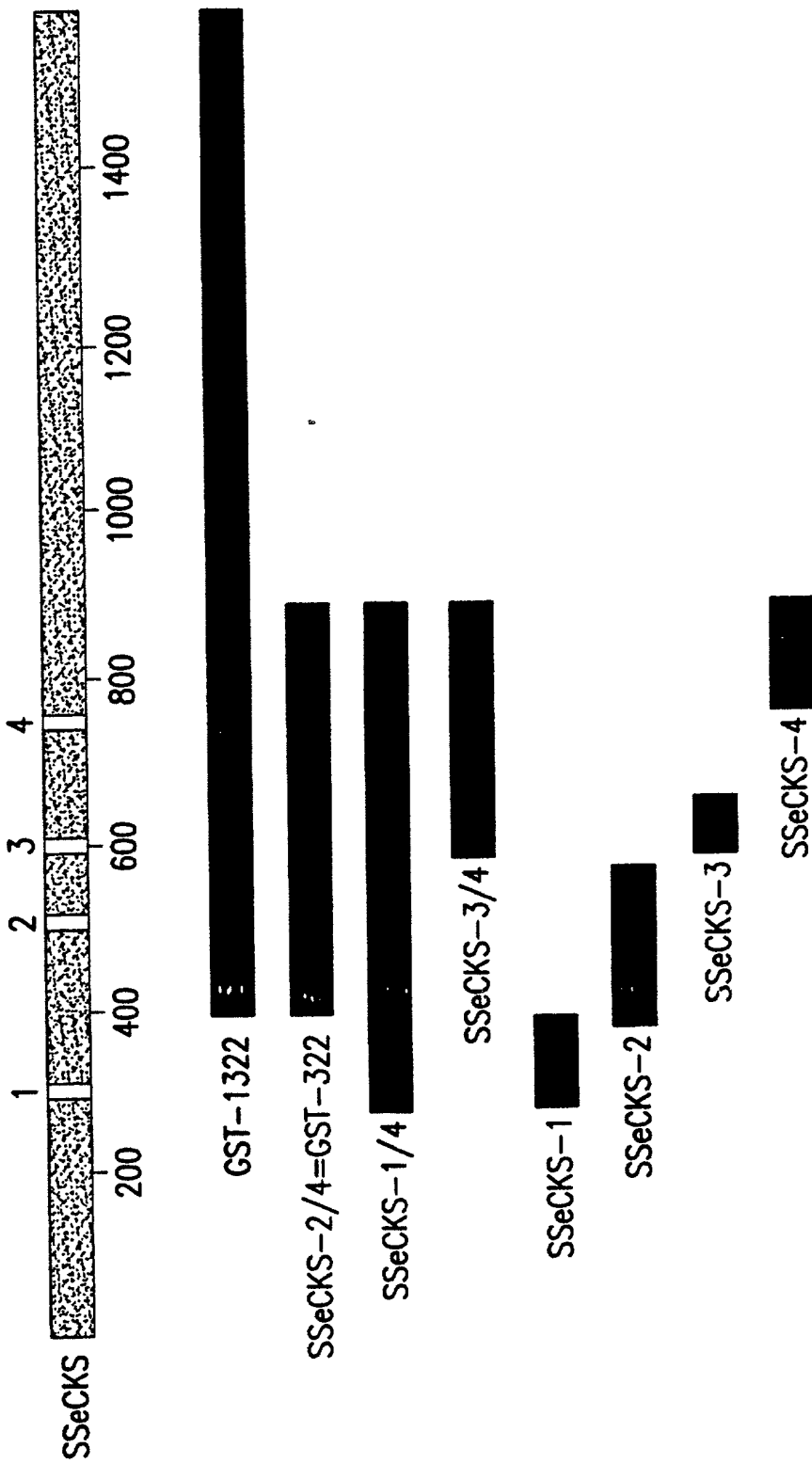
(31 of 90)



116 -

97.4 -

FIG.12



(32 of 90)

FIG.13A

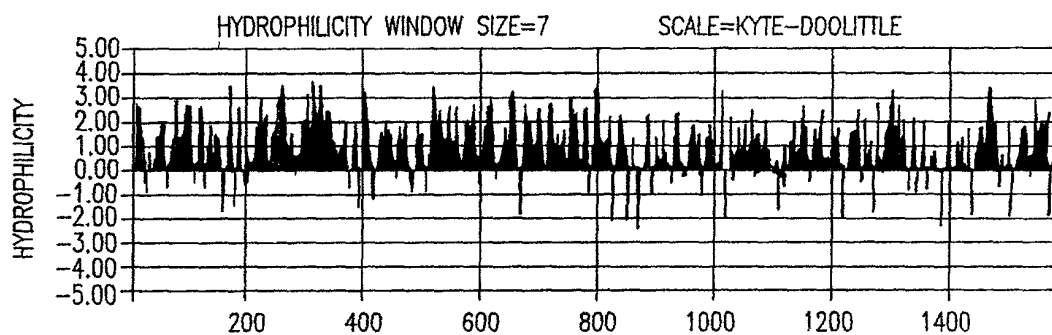


FIG.13B

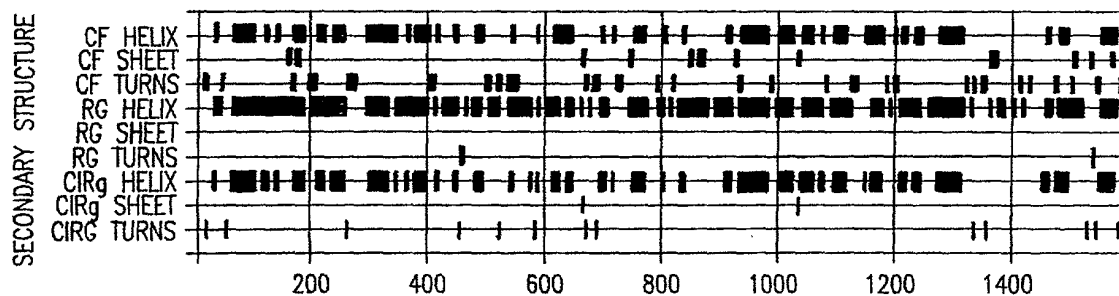


FIG.13C

208040" 2E420650

(34 of 90)

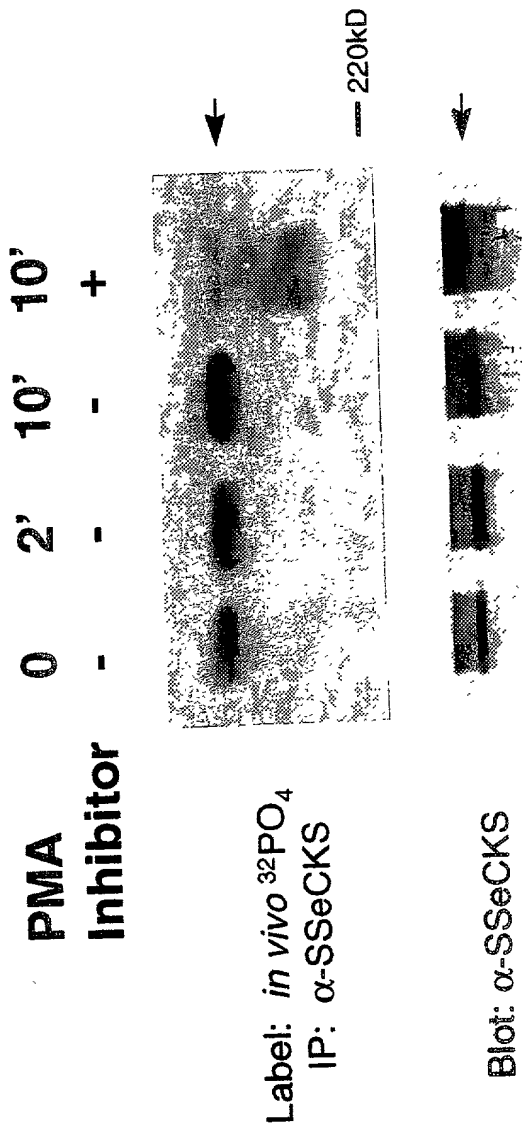


FIG. 14

(35 of 90)

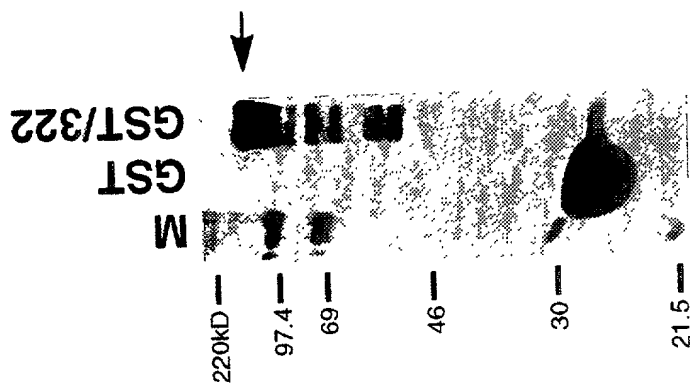


FIG.15A

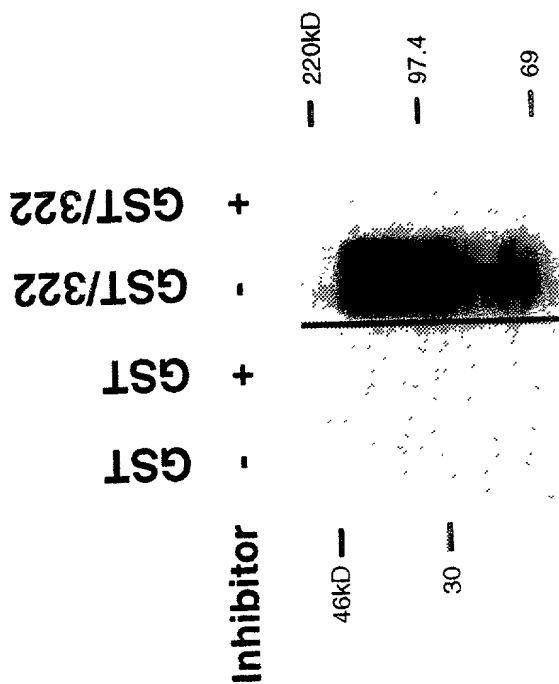


FIG.15B

(36 of 90)

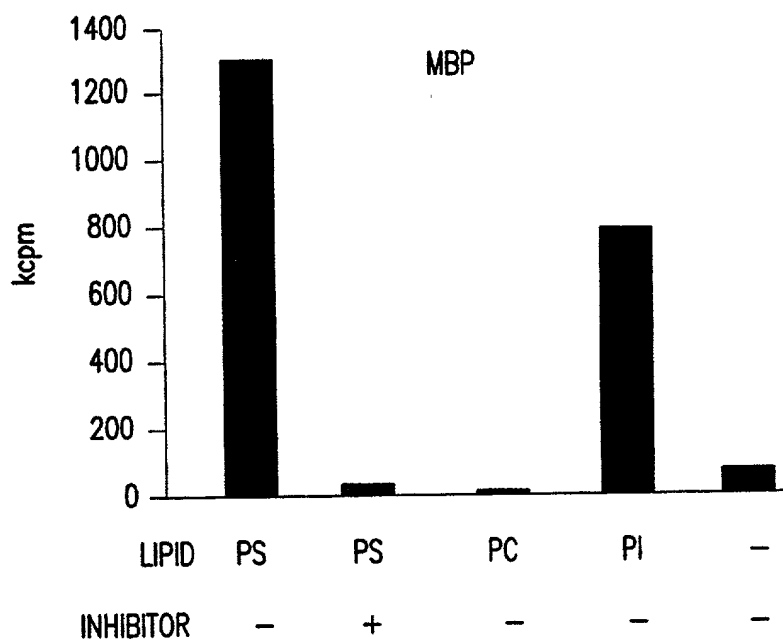


FIG.16A

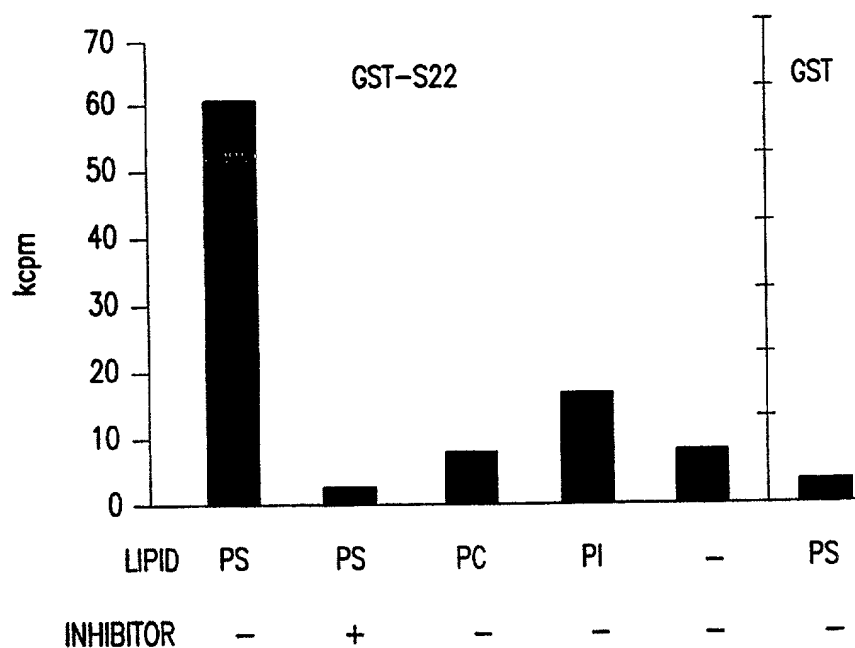


FIG.16B

(37 of 90)

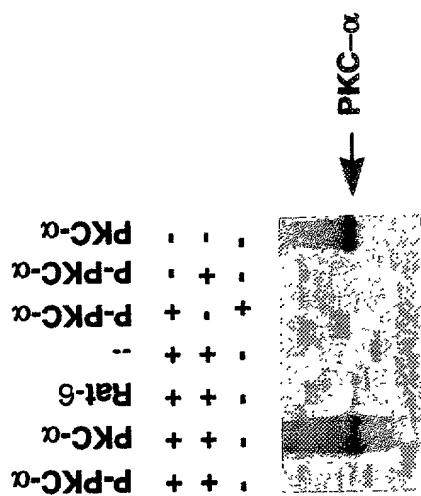


FIG.17B

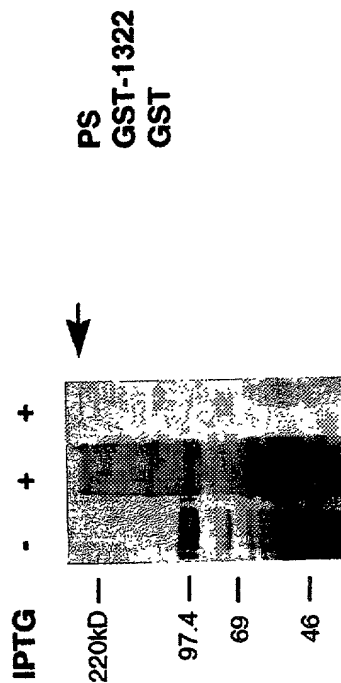


FIG.17A

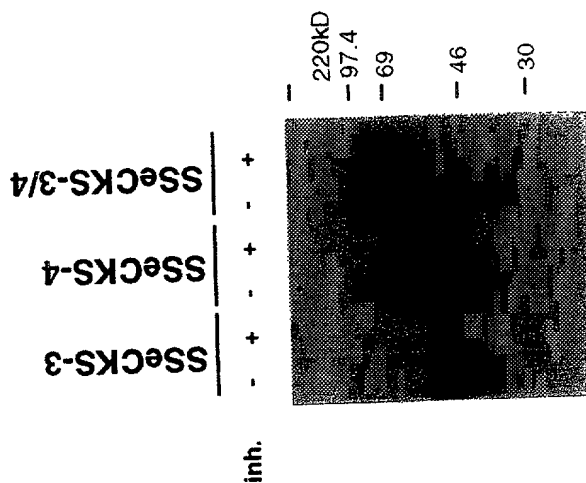


FIG.18B

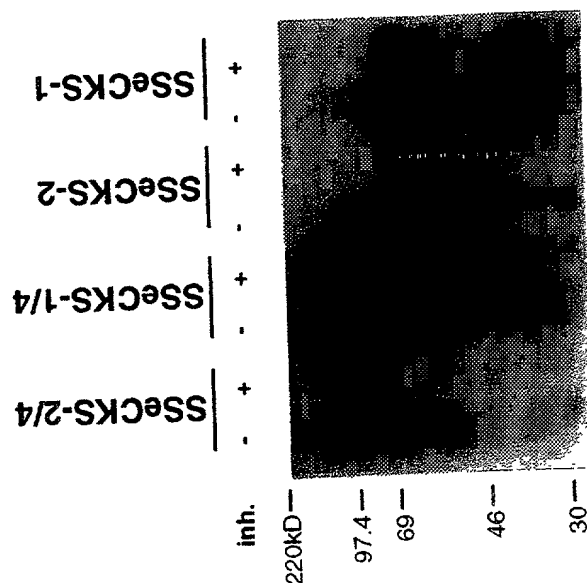
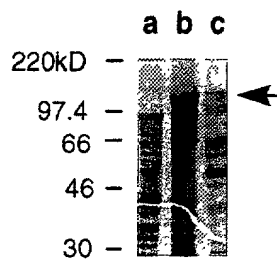


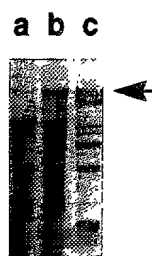
FIG.18A

(39 of 90)



SSeCKS-2/4

FIG.18C



SSeCKS-1/4

FIG.18D



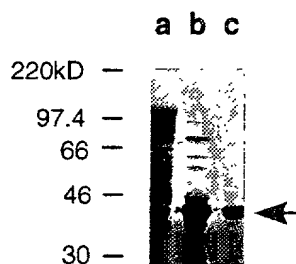
SSeCKS-2

FIG.18E



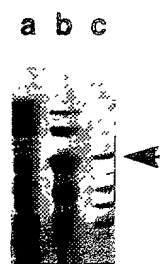
SSeCKS-1

FIG.18F



SSeCKS-3

FIG.18G



SSeCKS-4

FIG.18H



SSeCKS-3/4

FIG.18I

(40 of 90)

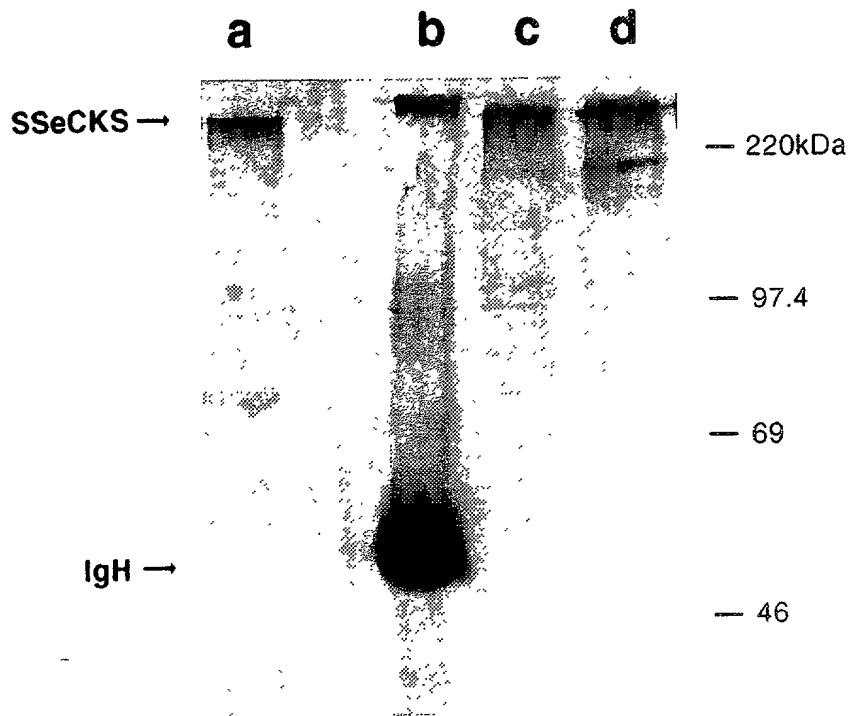


FIG.19

20201022 140300

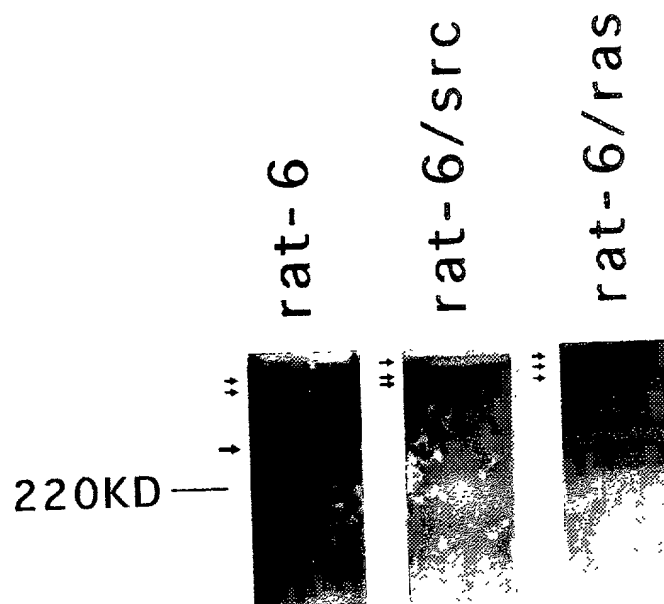


FIG.20

(42 of 90)



FIG. 21A

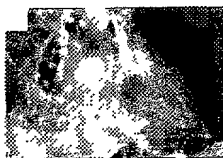


FIG. 21B

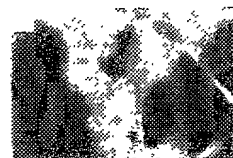


FIG. 21C



FIG. 21D



FIG. 21E



FIG. 21F



FIG. 21G



FIG. 21H



FIG. 21I



FIG. 21J

203040" 2E420660

(43 of 90)

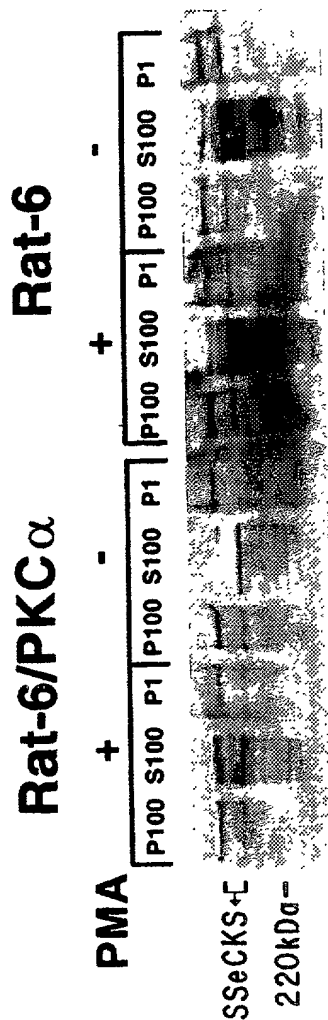


FIG.22

(44 of 90)

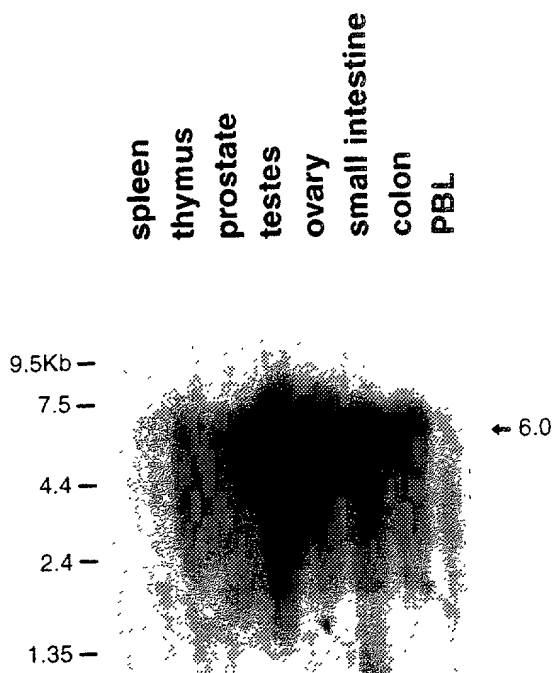


FIG.23A

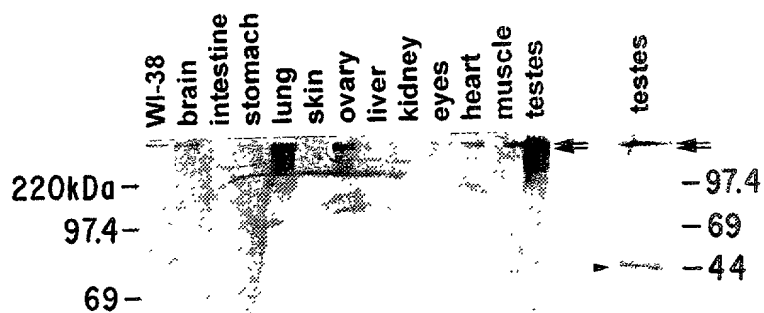


FIG.23B

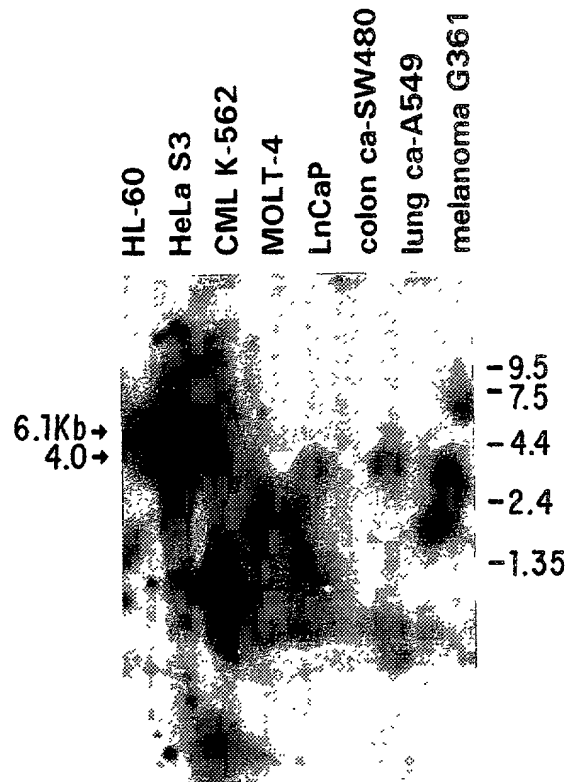


FIG.24

(46 of 90)

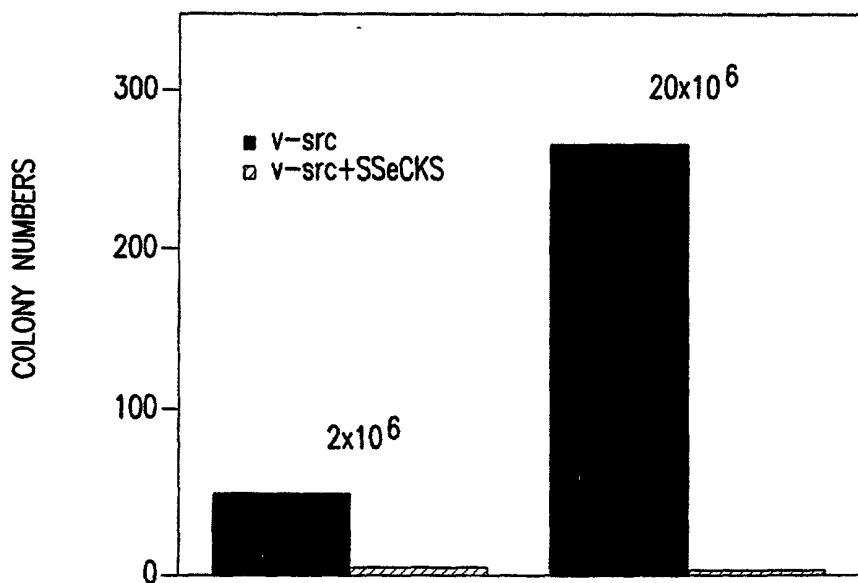


FIG.25A

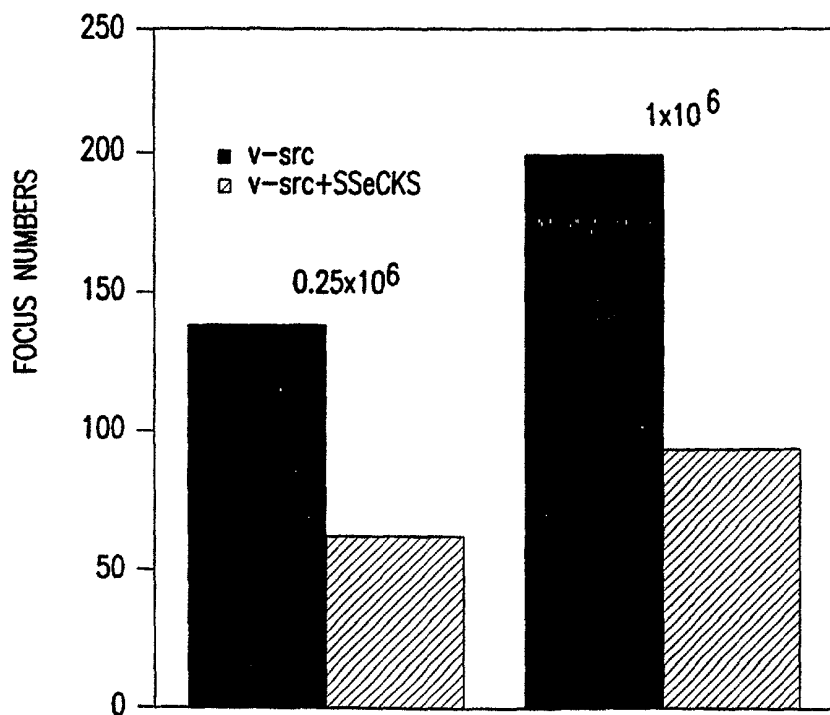


FIG.25B

(47 of 90)

		<u>Myr.</u>	<u>Pal.</u>
src	MGSSKSKPKD	+	-
yes	MGCIKSKEDK	+	+
SSeCKS	MGAGSSTEQR	+	?
G α t1	MGAGASAE EK	+	-
G α i1	MGCTLSAEDK	+	+
GAP-43	MLCCMRRTKQ	-	+
MYRIST. CONSENSUS: MGXXX ^S _T			

FIG.26

202040" 21420660

(48 of 90)

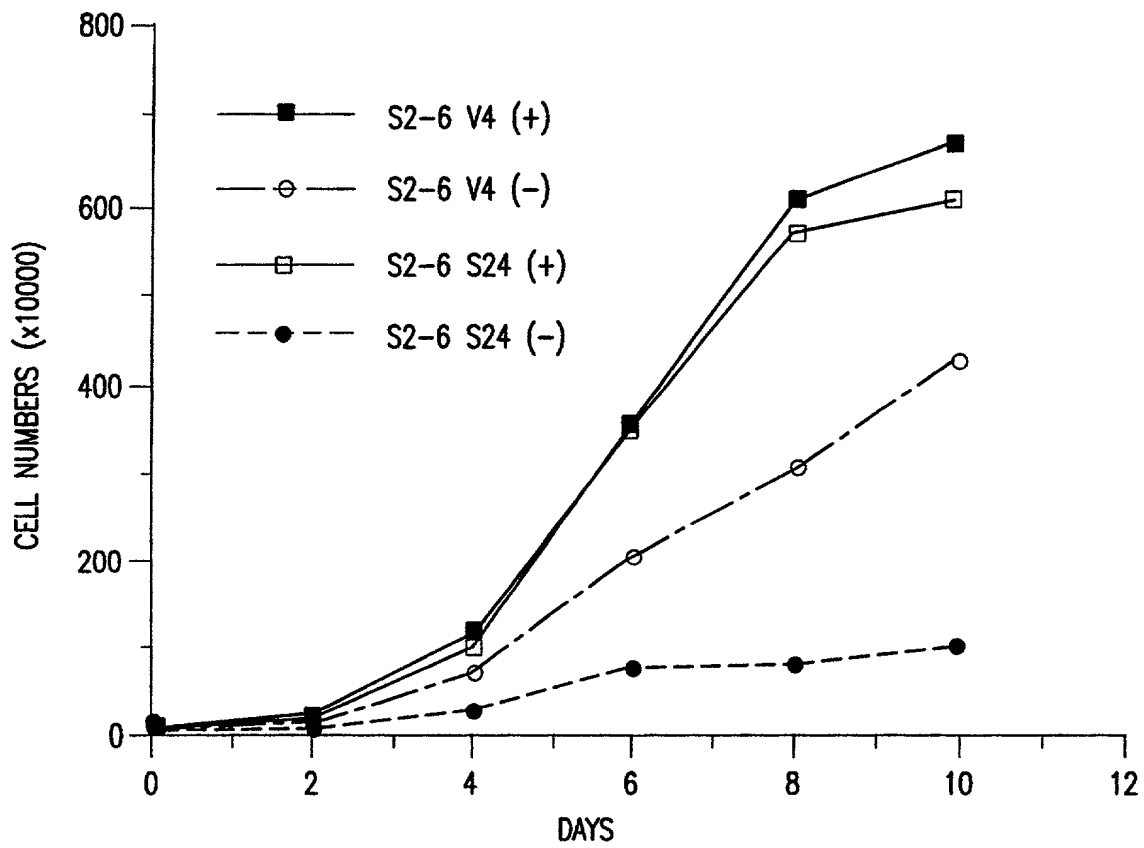


FIG.27

(49 of 90)

Tet + -



-220kDa

FIG.28

20201012 22:42:06

(50 of 90)

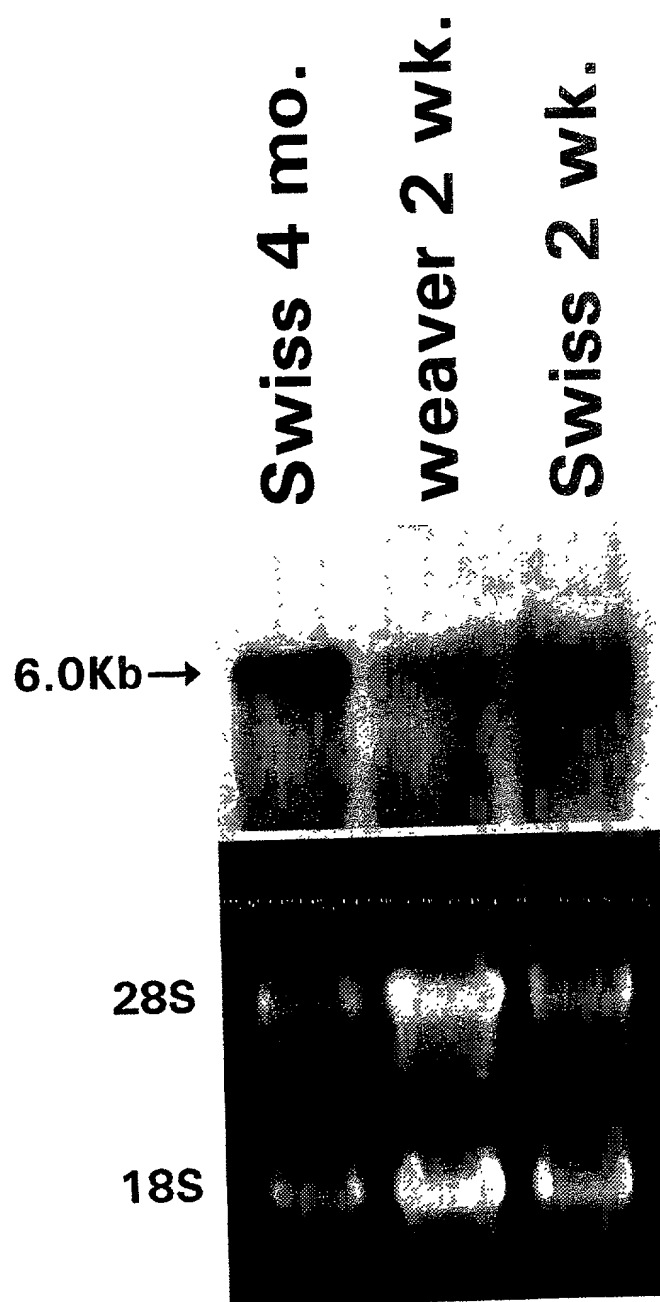


FIG.29

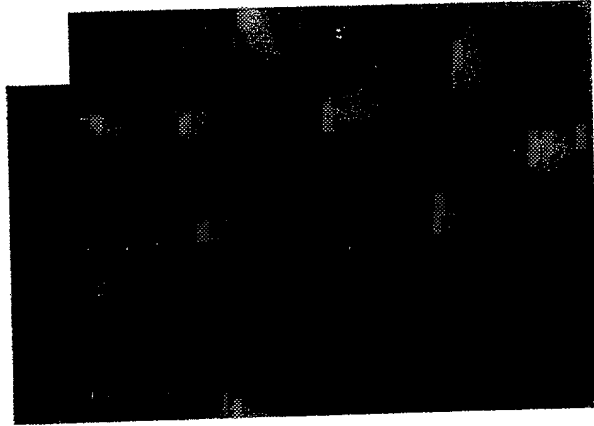


FIG.30A

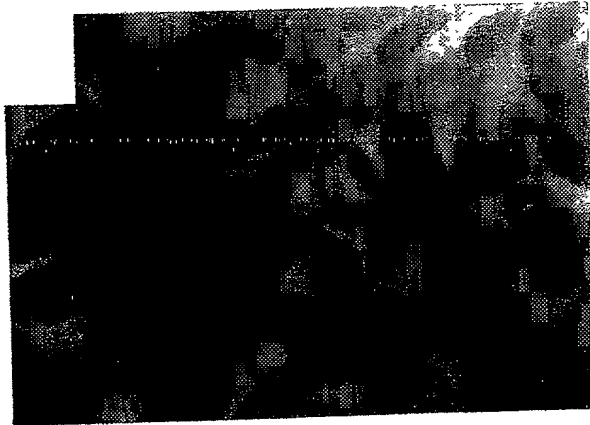


FIG.30B

202040" 25120660

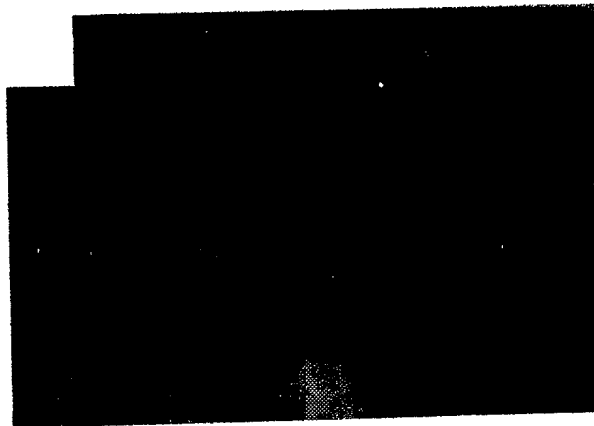


FIG.30C

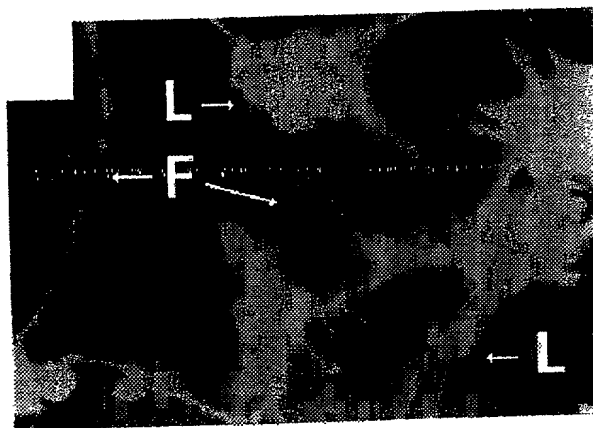


FIG.30D

208040 2E720660

(53 of 90)

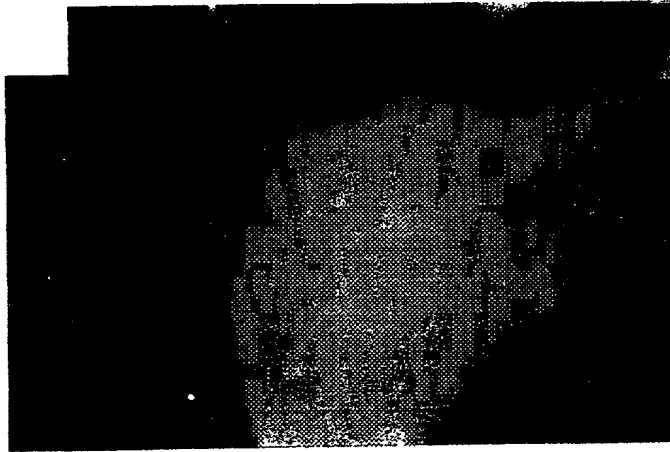


FIG.31A



FIG.31B

202010 22420660

(54 of 90)

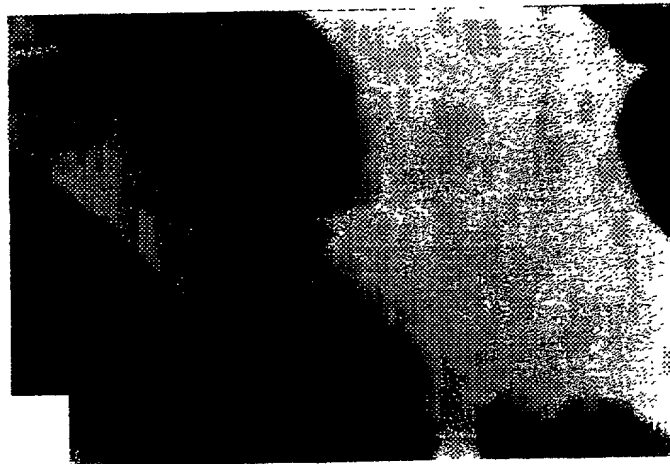


FIG.31C



FIG.31D

208040" 3E720659

202040" 25120660

(55 of 90)



FIG.32A

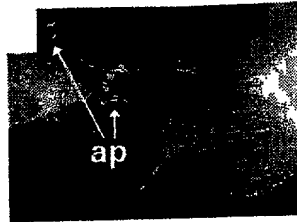


FIG.32B



FIG.32C

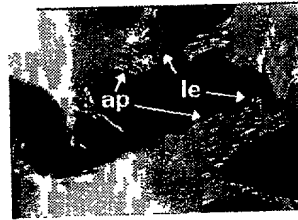


FIG.32D



FIG.32E



FIG.32F



FIG.32G



FIG.32H

(56 of 90)

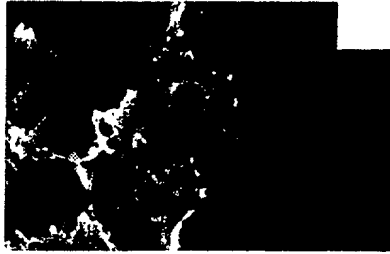


FIG.33A

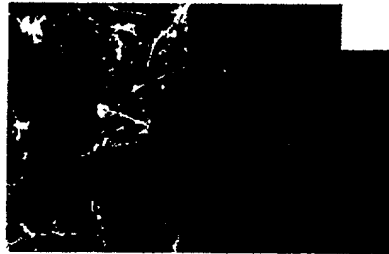


FIG.33B



FIG.33C



FIG.33D



FIG.33E

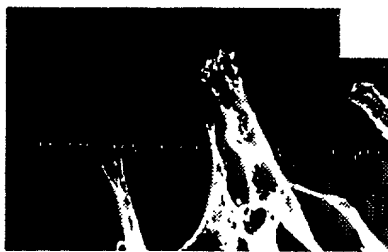


FIG.33F



FIG.33G

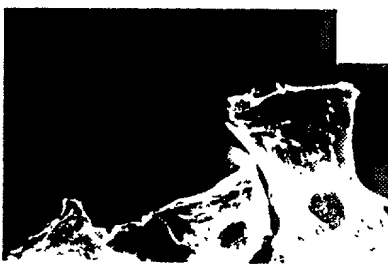


FIG.33H

0902432 040802

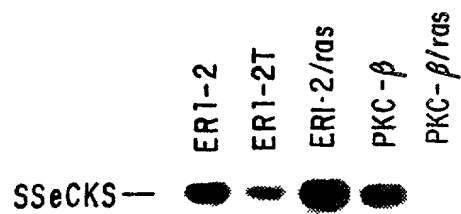


FIG.34

(58 of 90)

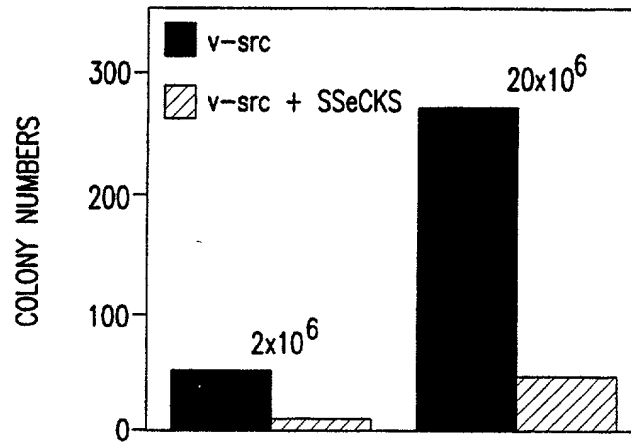


FIG.35A

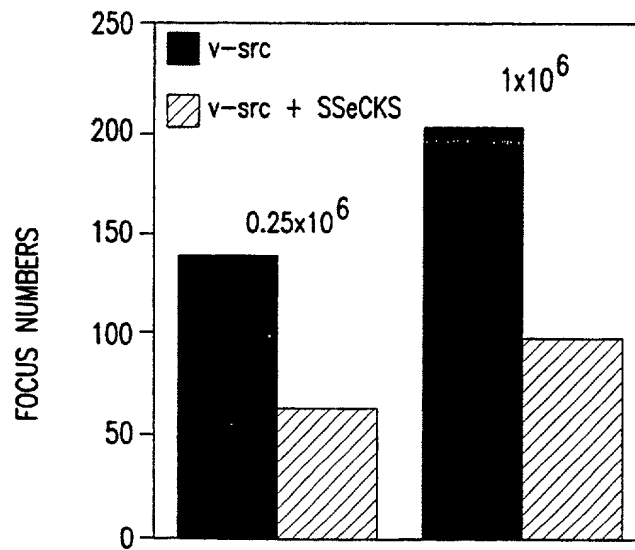
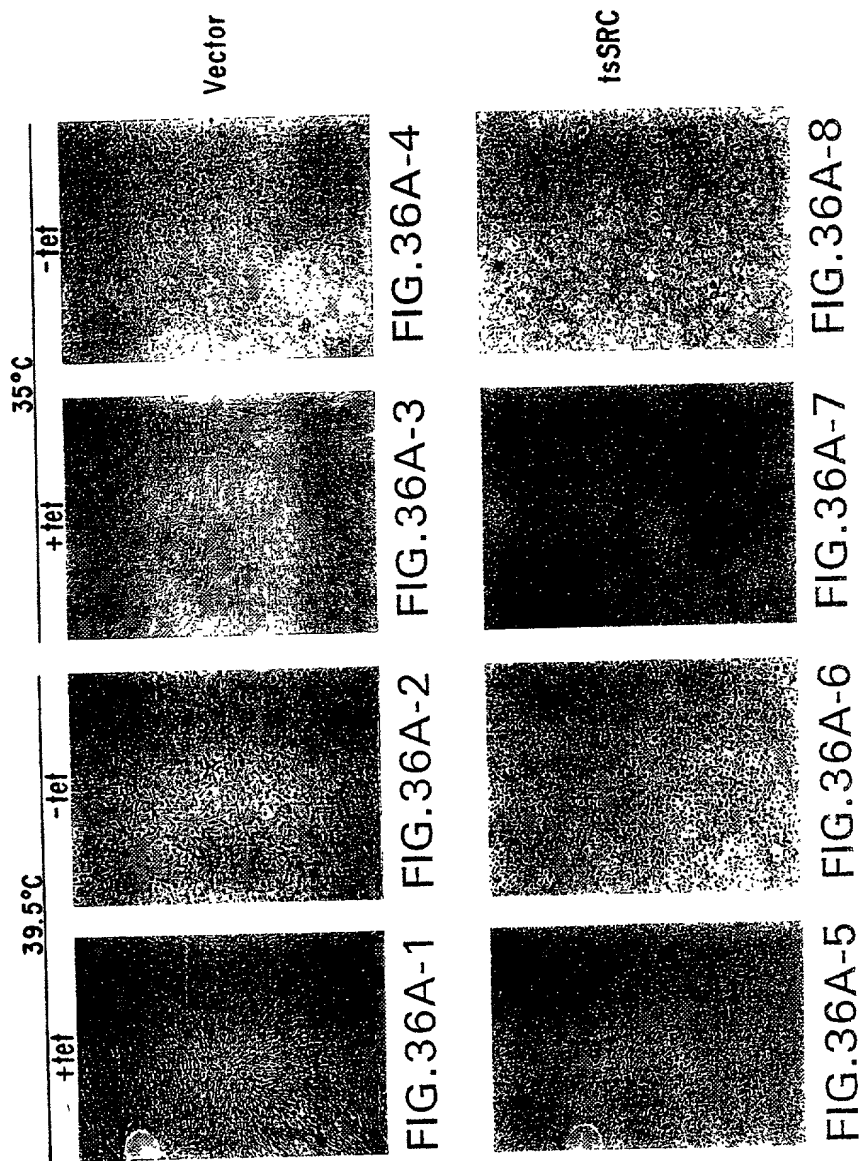


FIG.35B

(59 of 90)



(60 of 90)

35°C

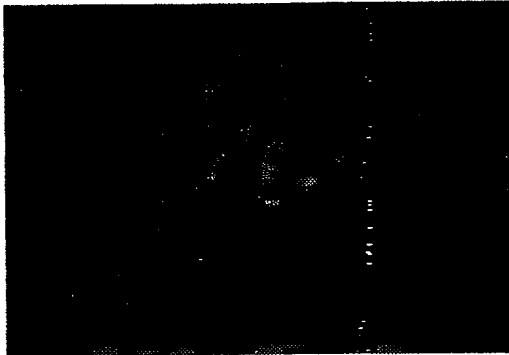


FIG.36B-1

39.5°C

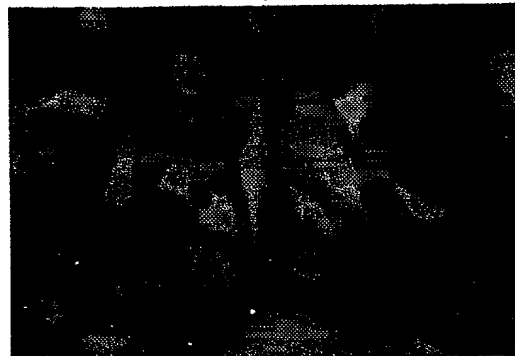


FIG.36B-2

+tet

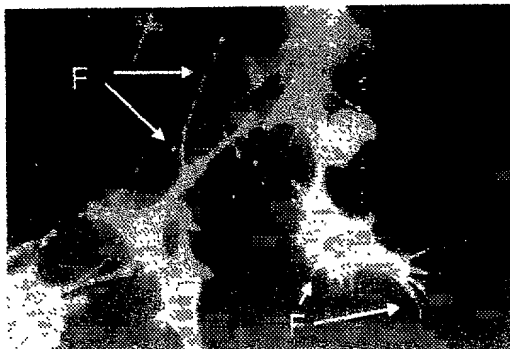


FIG.36B-3



FIG.36B-4

-tet

208040" 22420660

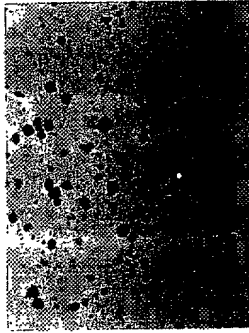


FIG.37A-1



FIG.37A-2



FIG.37A-3



FIG.37A-4

(62 of 90)

SOFT AGAR COLONY FORMATION						
	ts src1	ts src2	ts src3	ts src4	pLJ2	pLJ3
+ tet	2160	1640	2800	1080	0	0
- tet	60	60	110	35	0	0

FIG.37B

20201024 14:26:56

(63 of 90)

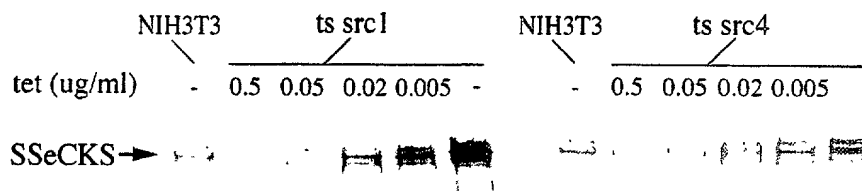


FIG.38A

0.5ug/ml tet

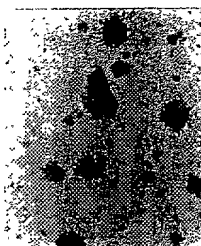


FIG.38C-1

0.02ug/ml tet

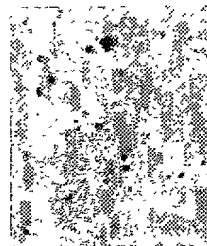


FIG.38C-2

2003040" 22420660

203040" 2420660

(64 of 90)

SOFT AGAR COLONY FORMATION					
	35°C				39°C
tet(ug/ml)	0.5	0.05	0.02	0.005	0
ts src1	2852	2464	174	51	22
ts src4	1463	743	67	11	0

FIG.38B

(65 of 90)

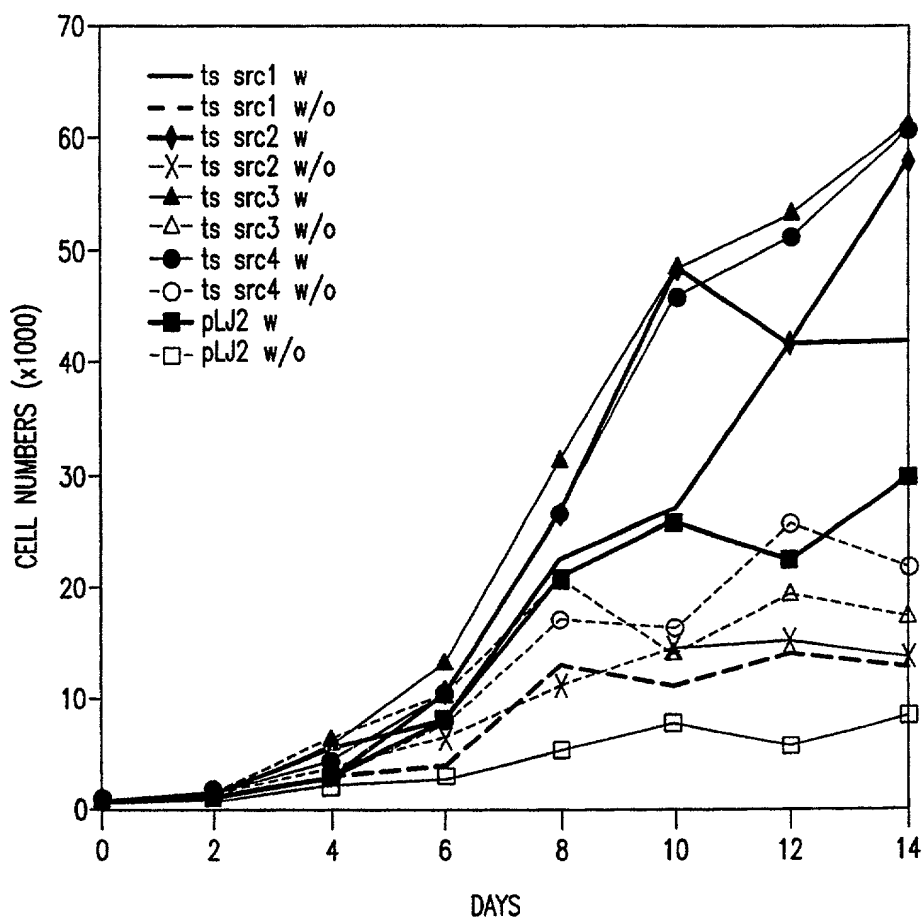


FIG.39A

(66 of 90)

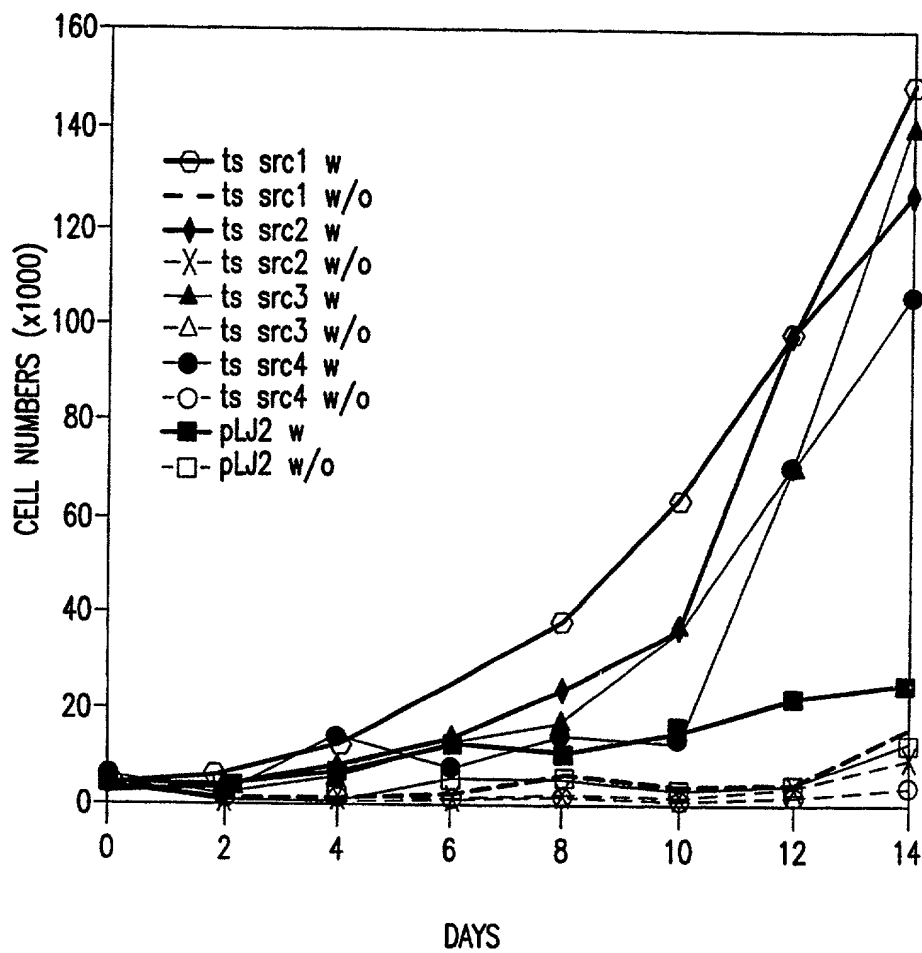


FIG.39B

(67 of 90)



FIG. 40A

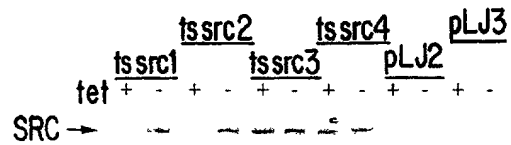


FIG. 40B

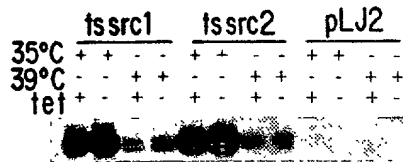


FIG. 40C-1

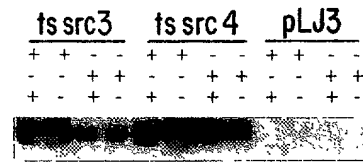


FIG. 40C-2

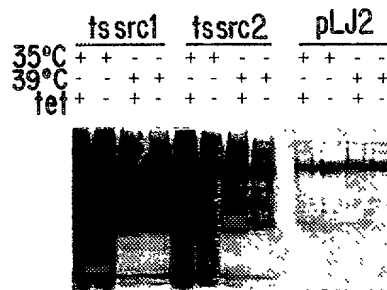


FIG. 40D-1



FIG. 40D-2

(68 of 90)

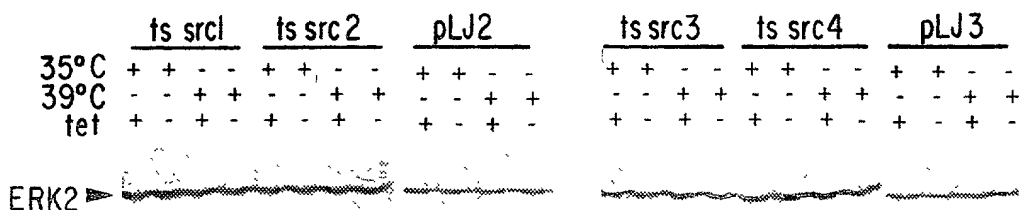


FIG.41A-1

FIG.41A-2

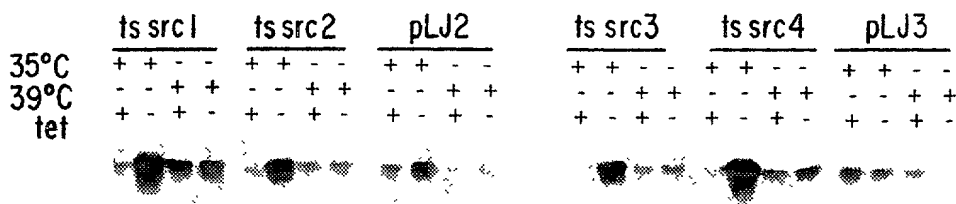


FIG.41B-1

FIG.41B-2

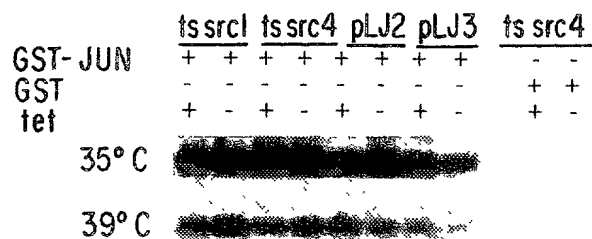


FIG.41C

200040" 25+20660

(69 of 90)

SSeCKS

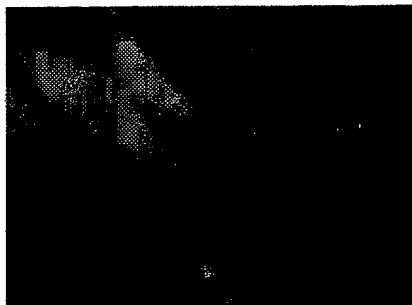
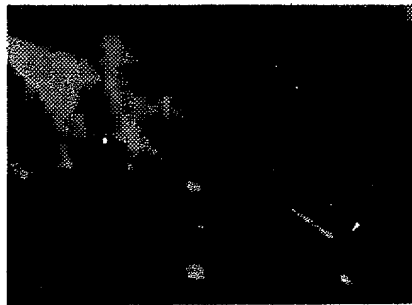


FIG.42A-1

Vinculin



35°C
+tet

FIG.42A-2

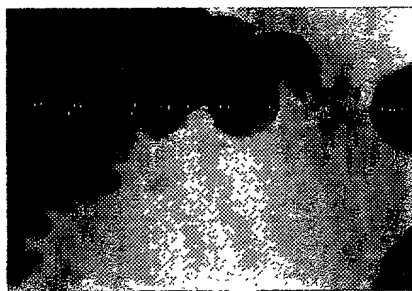
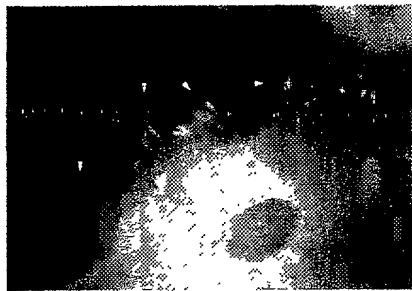


FIG.42A-3



35°C
-tet

FIG.42A-4

208040" 25420660

(70 of 90)

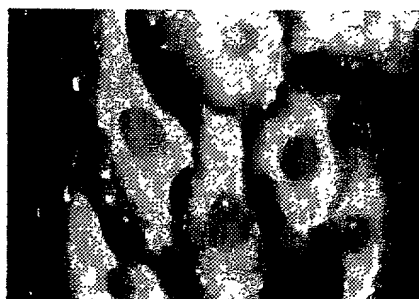


SSeCKS



FIG.42A-5

Vinculin

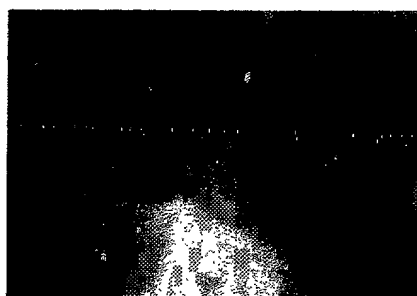


39.5°C
+tet

FIG.42A-6



FIG.42A-7



39.5°C
-tet

FIG.42A-8

208040" 22420660

(710 f 90)

SSeCKS

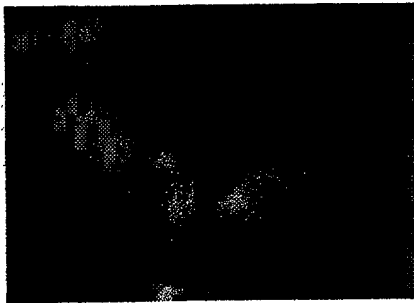
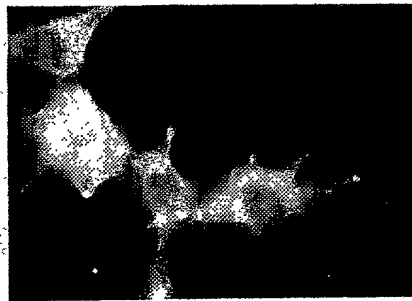


FIG.42B-1

Phalloidin



35°C
+tet

FIG.42B-2

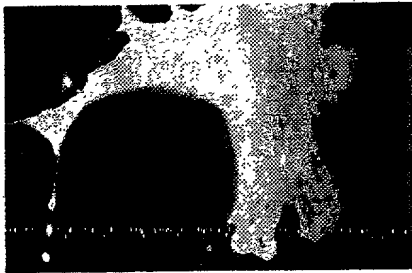
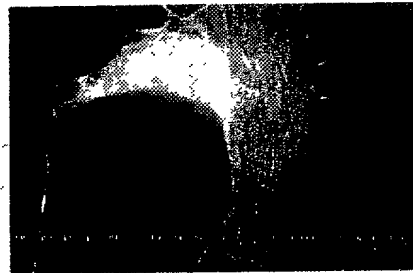


FIG.42B-3



35°C
-tet

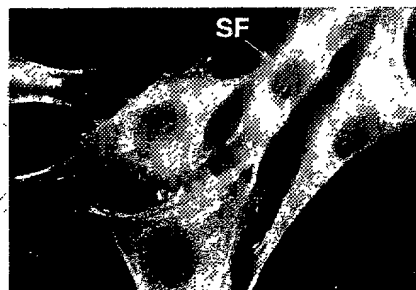
FIG.42B-4

208040" 2E+20650

(72 of 90)

SSeCKS

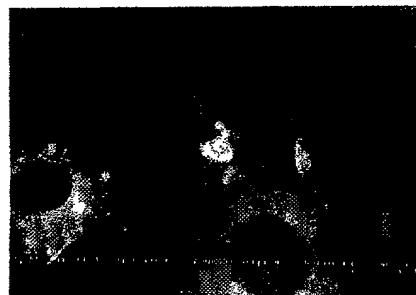
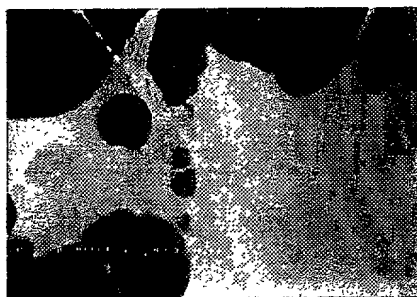
Phalloidin



39.5°C
+ tet

FIG.42B-5

FIG.42B-6



39.5°C
-tet

FIG.42B-7

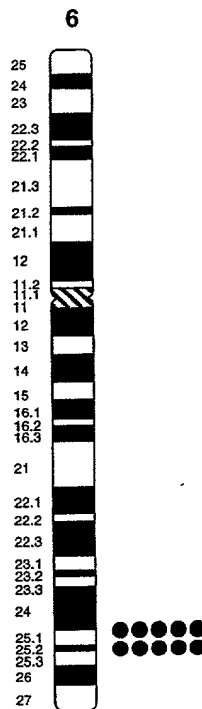
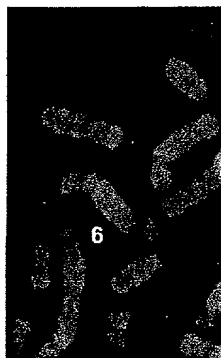
FIG.42B-8

202040" 25420660

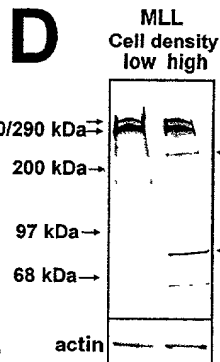
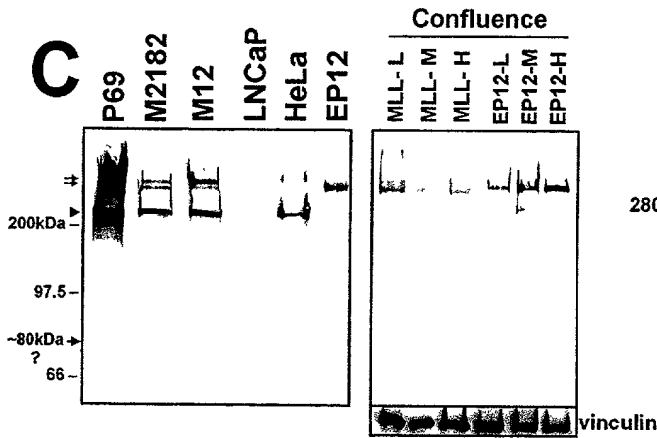
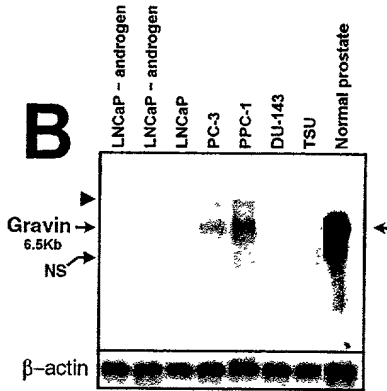
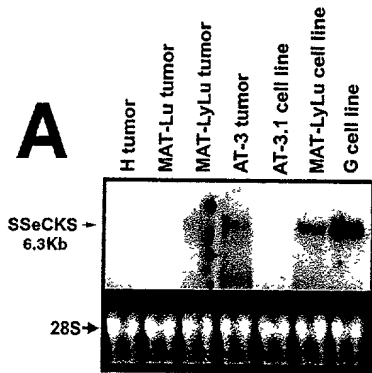
Figure 43

(73 of 90)

202010" 25420650

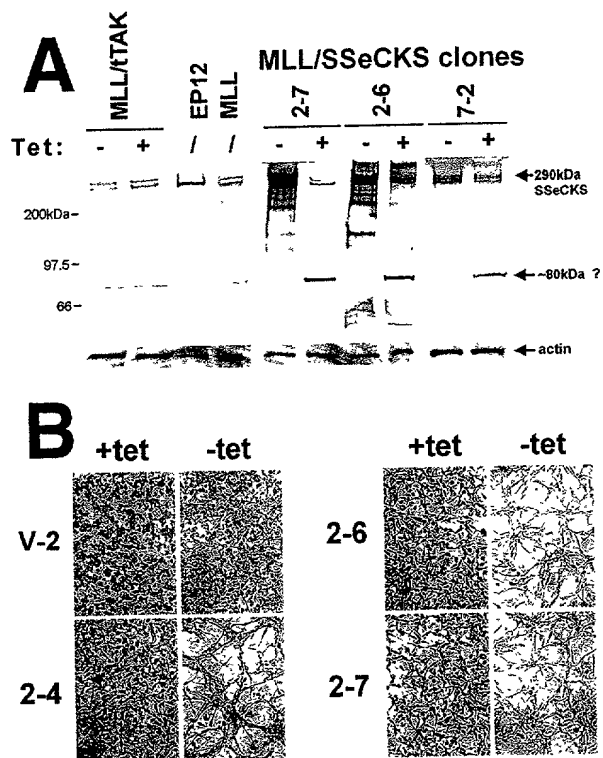


(74 of 90)



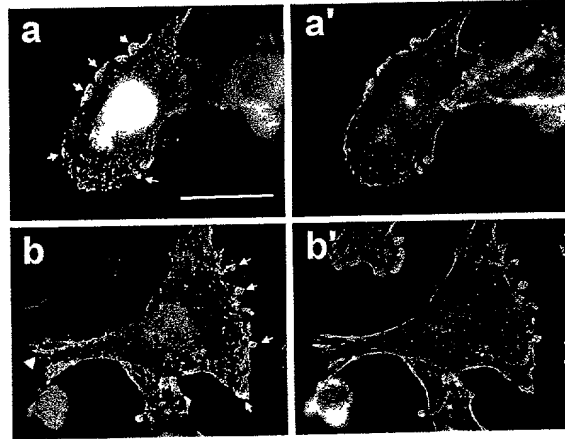
203040" 2E+20660

Figure 45
(75 of 90)

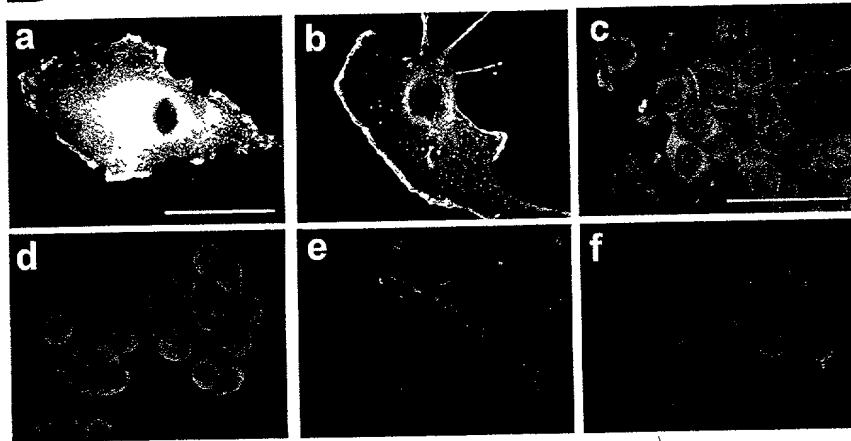




A



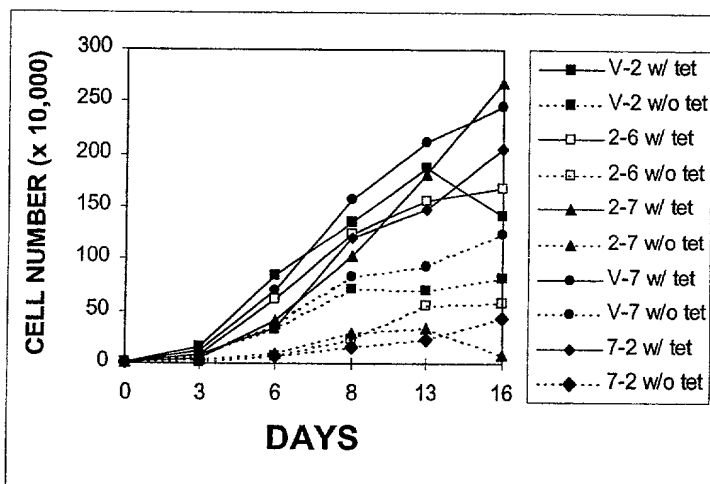
B



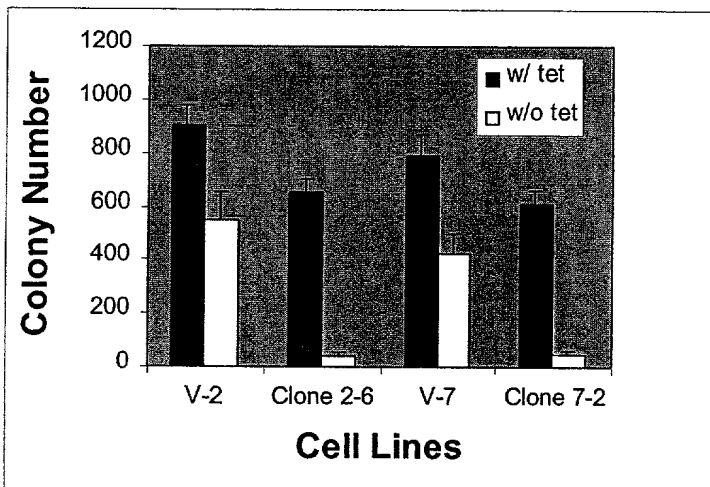
203040" 21120660

(77 of 90)

A



B



C

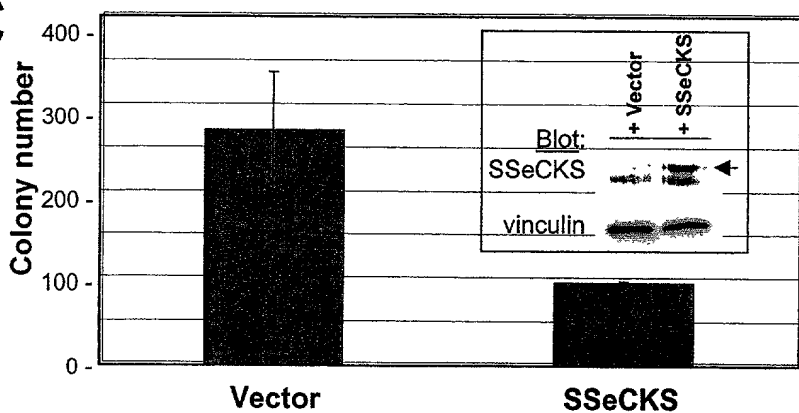


Fig. 47

(78 of 90)

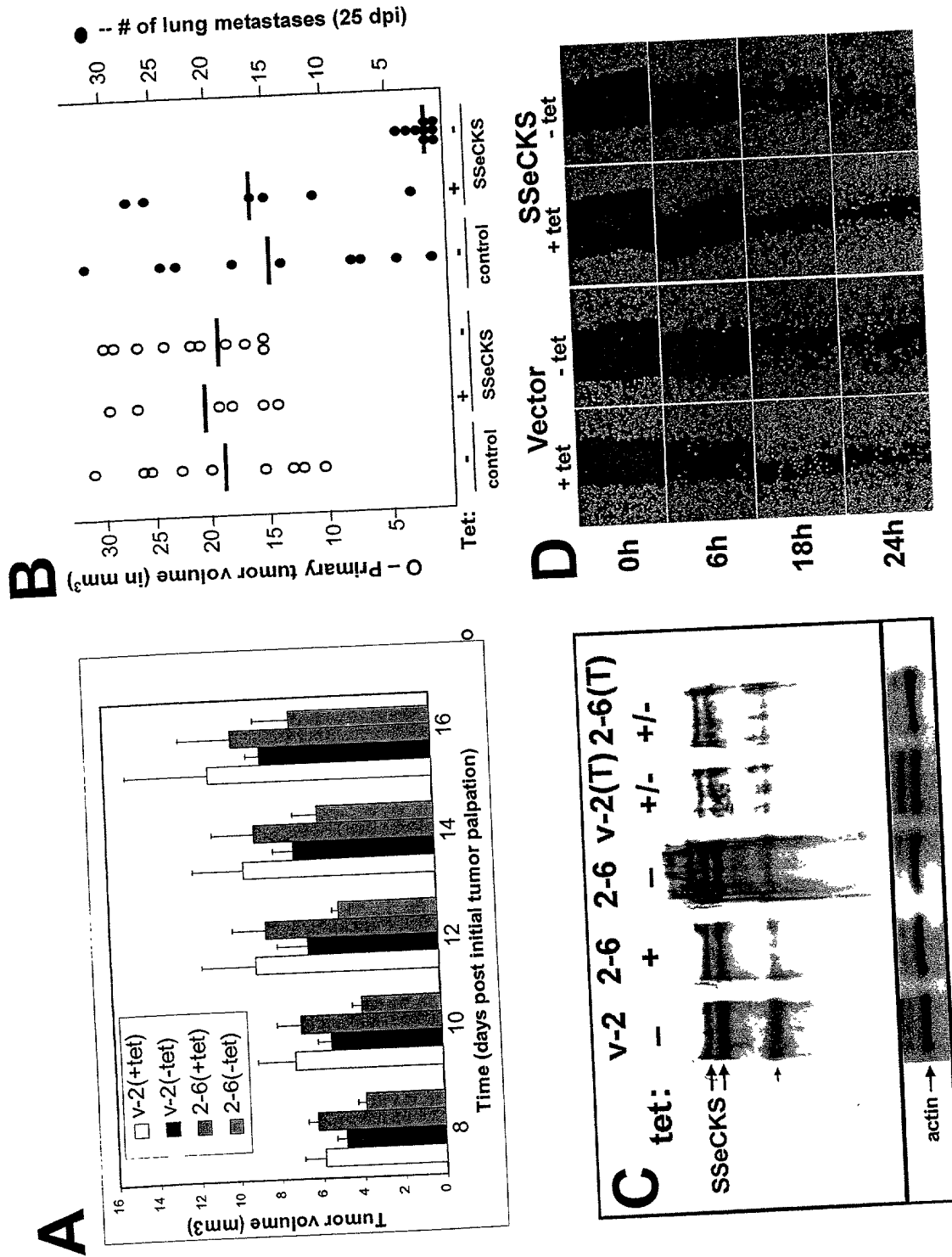


Fig. 48

(79 of 90)

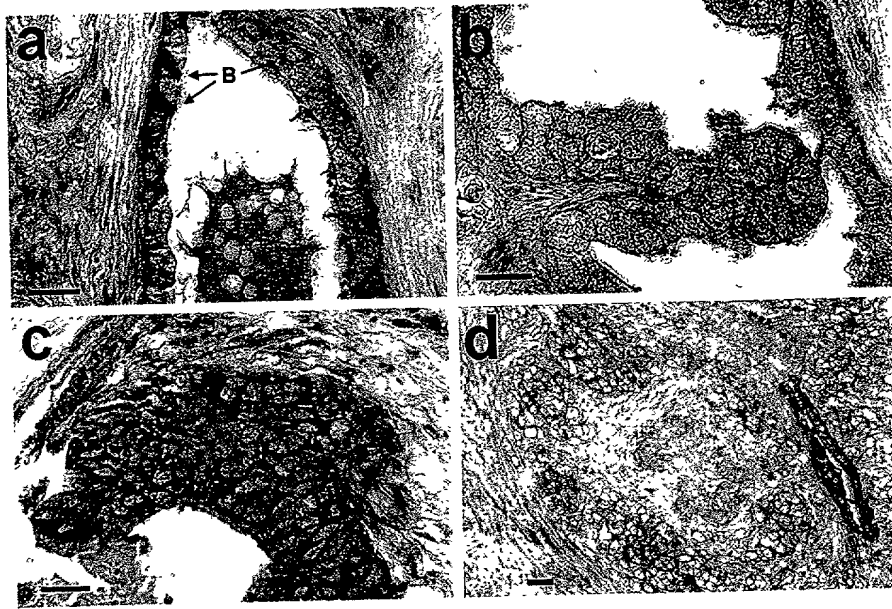


Fig. 49

20250422 22:20:00

(80 of 90)

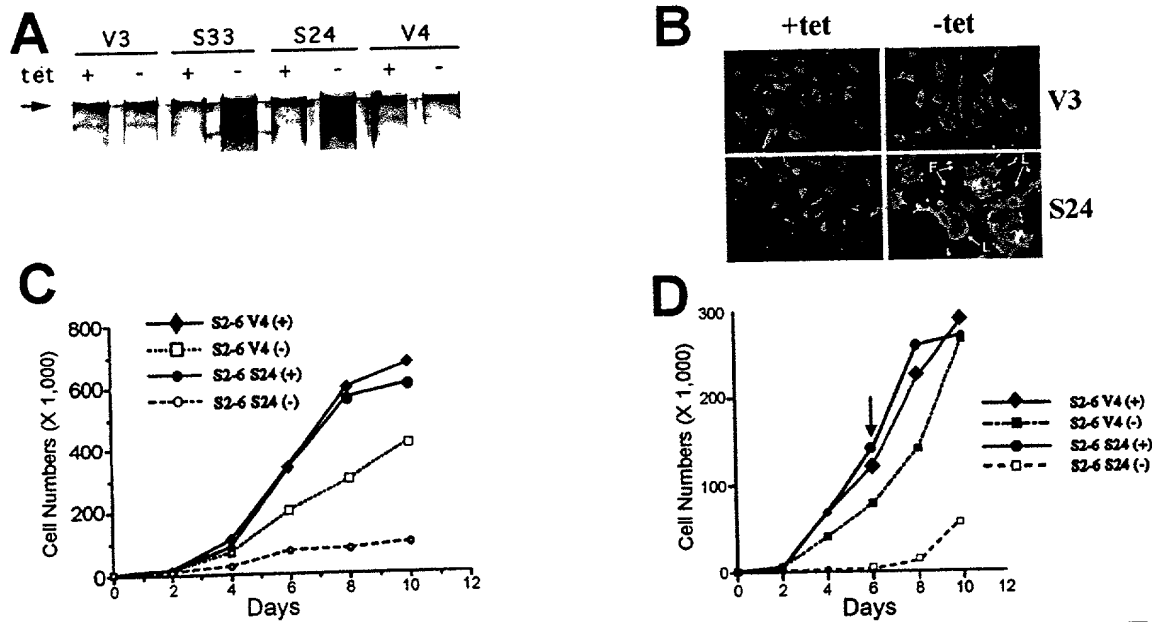


Figure 50



209049" 26420660

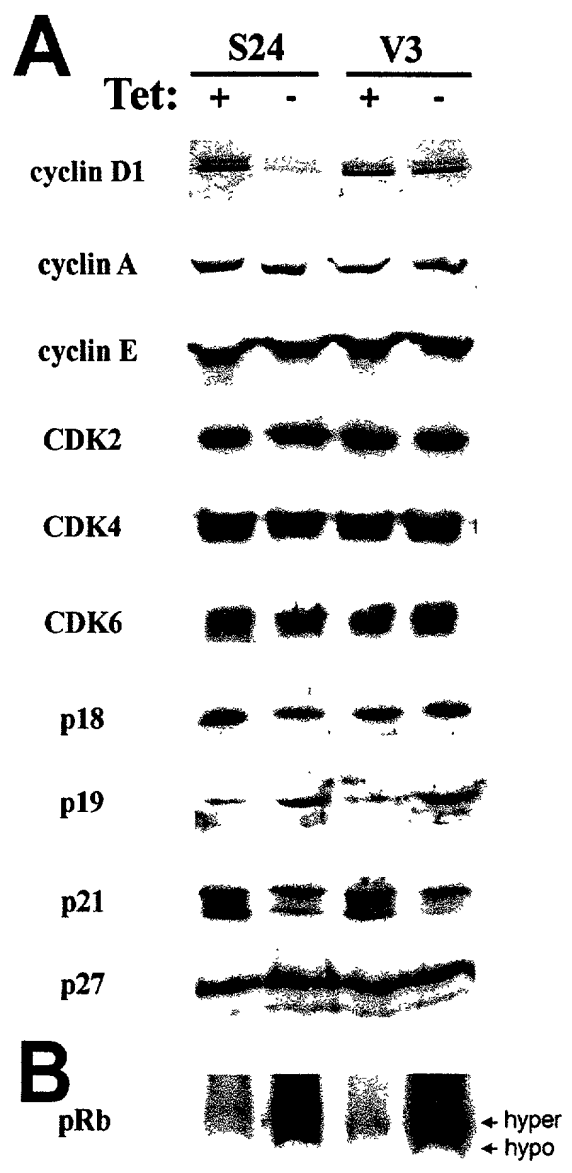


Figure 51

FM
(82 of 90)

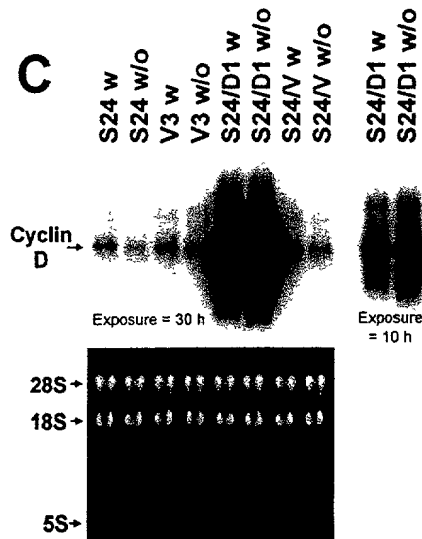
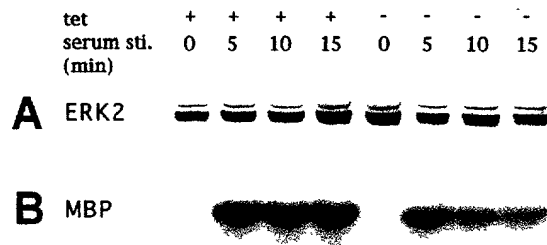


Figure 52

(83 of 90)

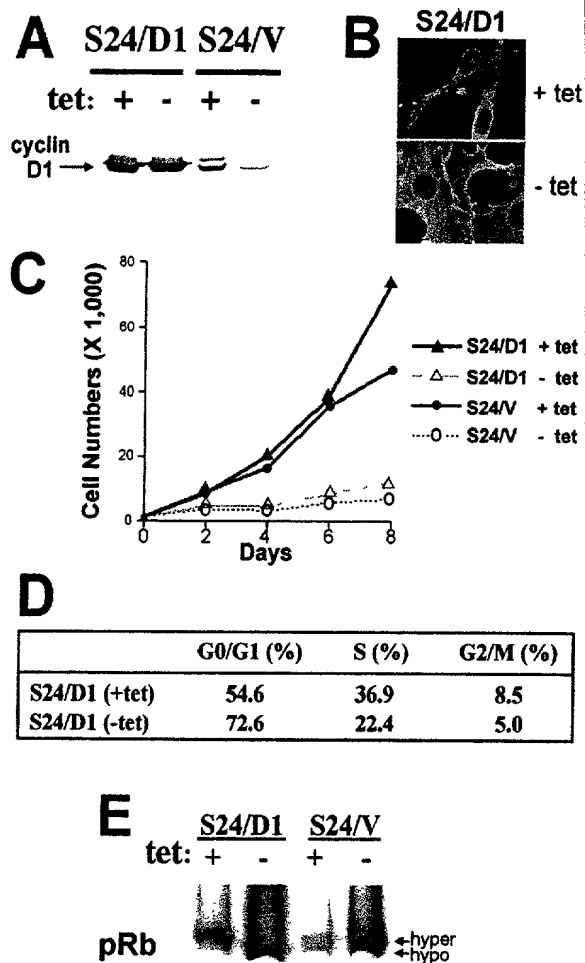


Figure 53

200010-2120060

SSeCKS ⁴⁶⁸SPEKTLPKHPEGIVSEVM LSSQERIK₄₉₆
|| ||: |||||::| | ||| ||::
Newt pRb ⁷⁶⁰SP.LKSPYKHPEGLLSPTKM - (27 a.a.) - LSSSERLR₈₃₄

Figure 54

(85 of 90)

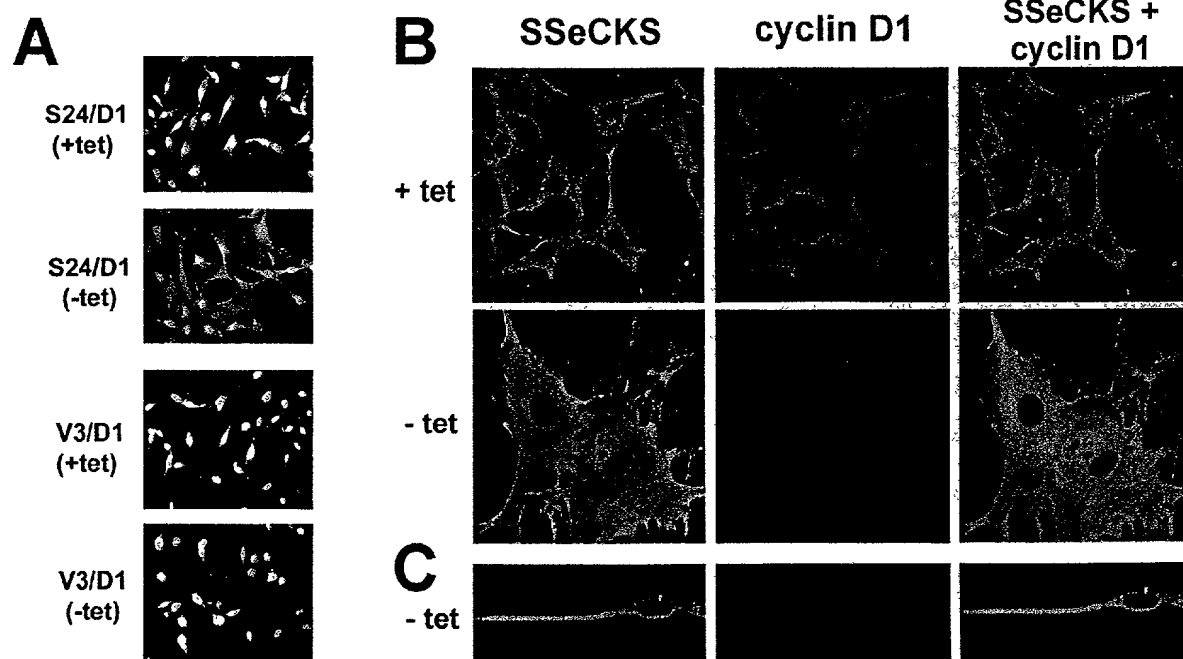


Figure 55

(86 of 90)

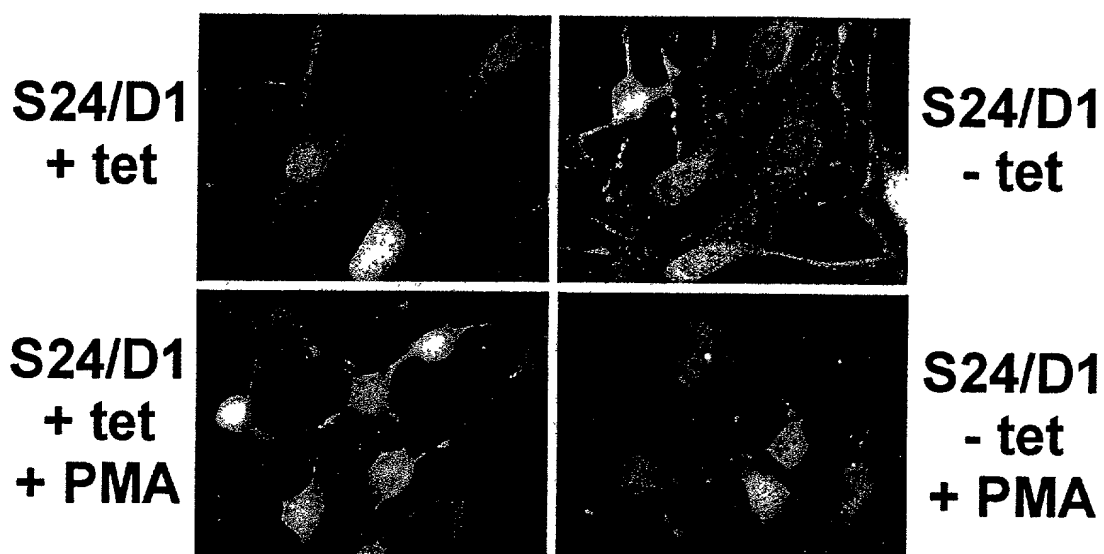


Figure 56

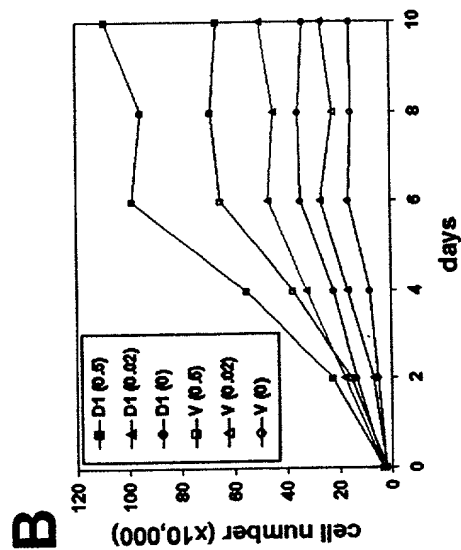
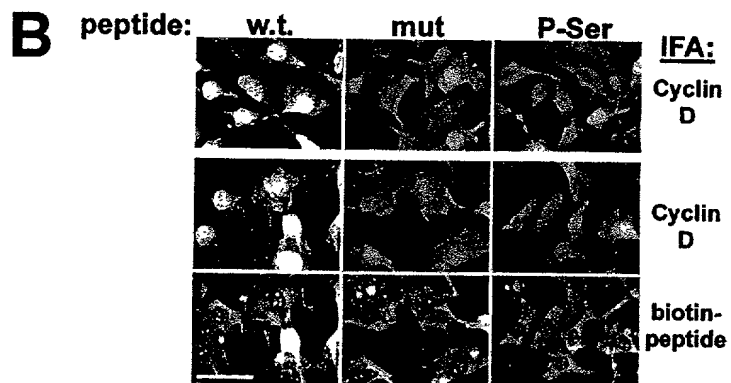
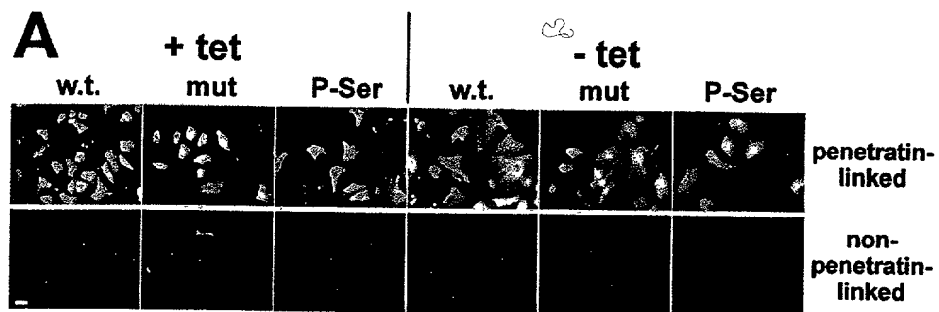


Figure 57
(87 of 90)

Figure 58
(88 of 90)



20080401 20080401

20080402 21:20:55

Figure 59
(89 of 90)

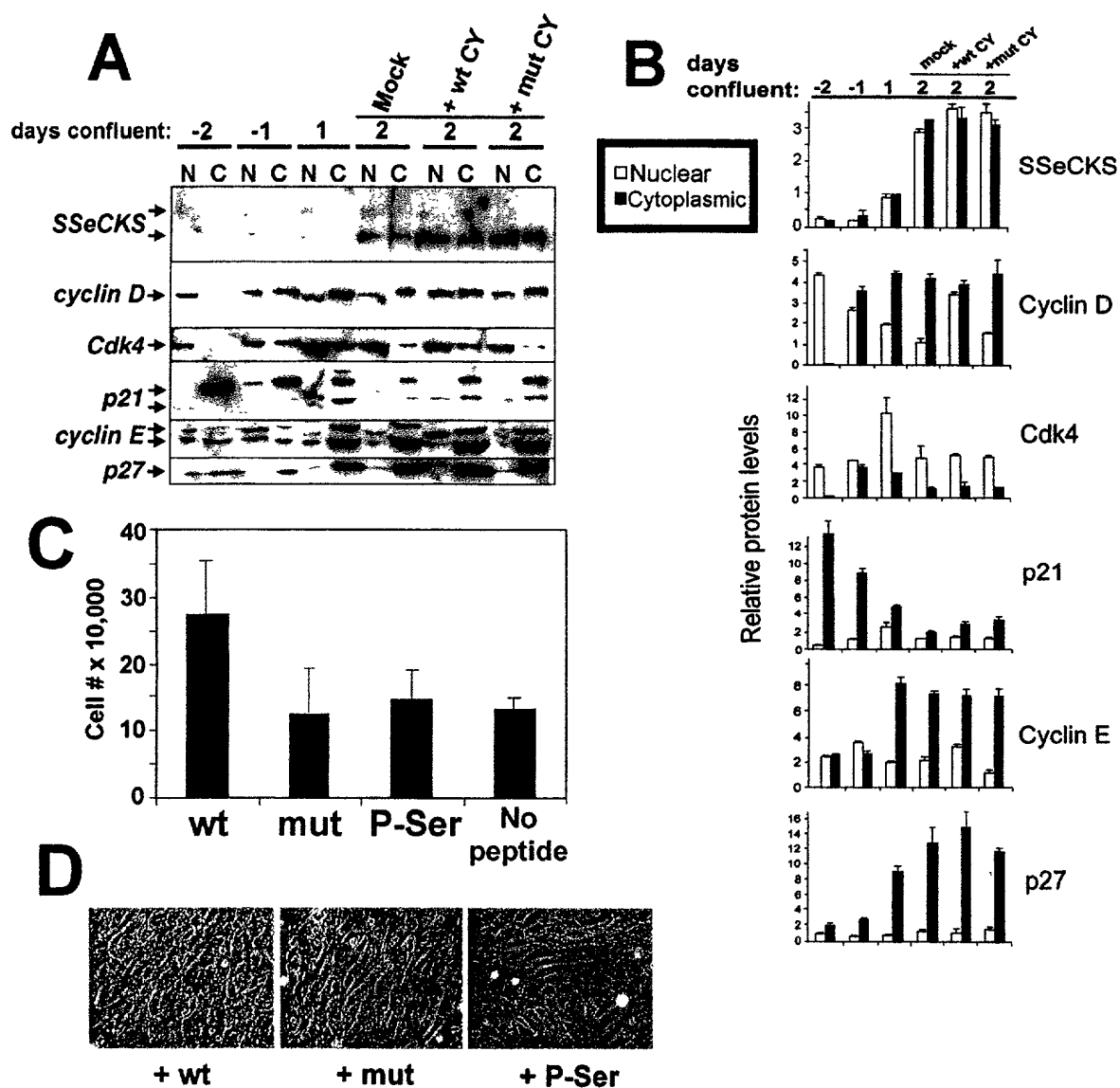


Figure 60
(90 of 90)

